The
CHEMIST AND DRUGGIST
RETAILER - WHOLESALER - MANUFACTURER
DECEMBER 11, 1948

DISPLAY AND RECOMMEND
'ZEPHROL'
trade mark brand

ephedrine
cough
syrup

an M&B product

sells at
2s. 1½d.
per bottle

★ SHOWCARDS SUPPLIED ON REQUEST

★ BONUS TERMS OF 13 TO THE DOZEN AVAILABLE IN RETURN FOR DISPLAY SERVICES

manufactured by
MAY & BAKER LTD
distributors
HARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM

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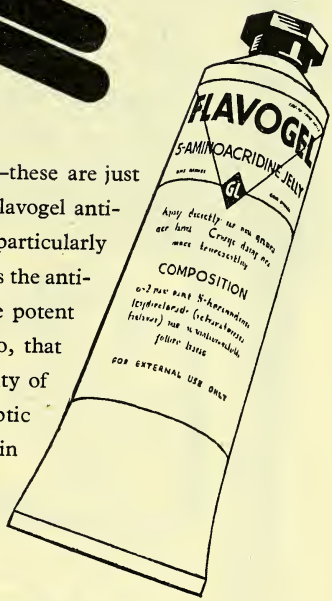
Monsanto wish
their many friends
a Happy Christmas
and a Prosperous
New Year

MONSANTO CHEMICALS LIMITED

a clear-cut case for FLAVOGEL



Does not stain ..... does not stick ..... does not sting—these are just three of the features that customers appreciate about Flavogel antiseptic jelly. Add to these the fact that Flavogel contains a particularly high concentration of Acramine* which, as you know, is the antiseptic that has superseded acriflavine because it is more potent and interferes less with tissue healing. Remember, too, that the *clear* jelly base of Flavogel ensures prolonged activity of the antiseptic. The result—a truly all-purpose antiseptic jelly that doctors commend; and one that has a place in every customer's first-aid cupboard.

GLAXO

FLAVOGEL

In 1-oz. tubes 1/6 & 9-oz. jars 10/6 free of Purchase Tax

*0.2% Acramine (5-aminoacridine hydrochloride) in a special water-soluble jelly base.

Parcel No. 1: 2 doz. x 1-oz. tubes, £1.4.0 net

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

A

NUZORA

TRADE MARK

hair dressing

will be your Best Seller BECAUSE -

1. THE FORMULA IS RIGHT!

NUZORA is the triumphant result of extensive research to find the ideal hair dressing. NUZORA contains NO gum or starch, is clean to use, imparts pleasant gloss, is easy on hats and pillows, economical in use and tones up the scalp.

2. THE PRICE IS RIGHT!

NUZORA, retailing at 2/1d., provides a luxury hair dressing at a popular price.

3. THE ADVERTISING IS RIGHT!

NUZORA is being supported with a striking, nation-wide advertising campaign. Attractive showcards are available for prominent display in your window and on your counter. After the first sale NUZORA will sell itself.

A product of the
ANZORA PERFUMERY CO., LTD.

NUZORA

TRADE MARK

Keeps your hair in good order

Sole distributors: Stemco Ltd., 128-132 Albert Street, London, N.W.1

Profits for you

THIS winter our National Press Advertising stresses to millions of potential customers the importance of resisting colds and influenza by taking regularly CROOKES HALIBUT OIL AND CAPSULES.

All you need do is to be ready to cash in on the bigger than ever demand for our famous product which gives you a *profit* of *nearly 40%* if bought on bonus terms.

CROOKES HALIBUT OIL

CROOKES HALIBUT OIL

STANDARD BONUS PARCELS

PARCEL E	39 x 25 Capsules @ 2/6 Retail Total retail value Cost of parcel ...	 £4 17 6 £3 0 9
PARCEL G	13 x 15 c.c. Drops @ 5/- Retail Total retail value Cost of parcel ...	 £3 5 0 £2 0 6
PARCEL H	39 x 5 c.c. Drops @ 2/- Retail Total retail value Cost of parcel ...	 £3 18 0 £2 8 7
PARCEL J	13 x 30 c.c. Drops @ 9/- Retail Total retail value Cost of parcel ...	 £5 17 0 £3 12 11
PARCEL L	13 x 100 Capsules @ 8/6 Retail Total retail value Cost of parcel ...	 £5 10 6 £3 8 10
PARCEL M	39 x 100 Capsules @ 8/6 Retail Total retail value Cost of parcel ...	 £16 11 6 £10 6 6
PARCEL P	13 x 15 c.c. Infants Emulsion @ 3/6 Retail Total retail value Cost of parcel ...	 £2 5 6 £1 8 4

E CROOKES LABORATORIES LIMITED · PARK ROYAL · LONDON · N.W.10

What's ADDIFICATION?

Never heard of it? Why it's simply putting Cephos on display on your counter and in the window to link up with the widespread national advertising for

Cephos REGD
THE PHYSICIANS' REMEDY

Sales Multiply themselves!

P.A.T.A.

CEPHOS LIMITED BLACKBURN

ESTABLISHED 1874

Labels - Cartons - Envelopes -

& EVERY DESCRIPTION OF MEDICAL PRINTING

ALF. HARRISON & SONS LTD.
Chemists' Printers
BURLEY ROAD, LEEDS, 4.
TELEPHONE:- LEEDS 52668-9 TELEGRAMS:- 'IDEAS LEEDS'

Cardophylin

TRADE MARK
(THEOPHYLLINE-ETHYLENEDIAMINE)

VASODILATOR · RESPIRATORY STIMULANT · DIURETIC

Cardophylin is a drug of outstanding value in the treatment of diseases of the Cardiovascular system, respiratory disturbances and œdema.

Supplied in :—

TABLETS for oral use, each tablet containing 0.1 g. In tubes of 20 and bottles of 100 and 250.

AMPOULES for intravenous injection, each containing 0.24 g. in 10 c.c. In boxes of 5 ampoules.

AMPOULES for ntramuscular injection, each containing 0.48 g. in 2 c.c. In boxes of 6 ampoules.

SUPPOSITORIES, each containing 0.36 g. In boxes of 10 Suppositories.

Manufactured by WHIFFEN & SONS LTD.

Home sales distribution: BRITISH CHEMICALS & BIOLOGICALS Ltd., (Benger's-Genatosan Division) LOUGHBOROUGH to whom all orders and enquiries should be sent

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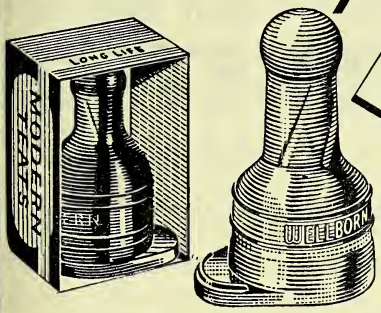
OME BABIES *prefer* THE

LONGER SHANK



The longer shank of the WELLBORN Teat is the outcome of the policy of studying the needs of the modern mother. It was impossible to *improve* on the MODERN Teat but all its refinements incorporated in the WELLBORN Teat together with the extra length of shank, satisfies all those babies who take better to this type of teat. The wide demand for the WELLBORN has fully justified this policy.

he **WELLBORN TEAT**

Built to be boiled

neat hygienic transparent pack and retailing at 6d. It fits types of bottles and comes in attractive display outers of z. teats at 46/- per gross (through your regular wholesaler).

A CANNON RUBBER PRODUCT

E CANNON RUBBER MANUFACTURERS LTD, LONDON N.17

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Another successful proprietary!

GREAT DEMAND FOR THE *NEW*

PENETROL

INHALER

You cannot go wrong stocking and displaying th attractive Inhaler which sells on sight. We are at pr sent coping successfully with the ever increasing daily flo of orders, but to avoid disappointment send in your ord at once. If you have stocks, increase your counter displa now that our big National advertising is in full swin

Retail price 1/8.

Stock and Display PENETROL *INHALER*

Trade terms and show material from **W. B. Cartwright Ltd., Rawdon, Leed**

FINE AND INDUSTRIAL CHEMICALS

PHARMACEUTICAL PRODUCTS

CRUDE DRUGS

PIGMENTS SOLVENTS

COAL-TAR DERIVATIVES

R. W. GREEFF & CO., LTD.

HEAD OFFICE

12, FINSBURY CIRCUS, LONDON, E.C.2

LONDON WALL 5241 WIRES: GREEFF, AVE, LONDON

and at

THE ROYAL EXCHANGE, MANCHESTER

BLACKFRIARS 9407-8 WIRES: GREEFF, MANCHESTER

Making plans for 1949?

. . . that's when you should enquire about our C.O.B. (Chemist's Own Brand) scheme of Packaging.

. . . A method of Packaging which provides a Sales-Building individuality that can be achieved in no other way, and—

COSTS NOTHING TO ADOPT

Write for full details:

ARTHUR H. COX & CO. LTD. BRIGHTON 7. SX.

THE *Modern* ANTACID..

Magtriz Tablets are an effective combination of Magnesium Trisilicate and Magnesium Hydroxide and provide prompt relief and prolonged control in all cases of Hyperchlorhydria as recommended by the Medical Profession.

MAGTRIZ

DIGESTIVE TABLETS

2 sizes, 7½d. and 1/6d.
Trade 4/- and 10/- per doz. plus P.T.
Both sizes packed in attractive outers.
Small size 2 dozen. Large size 1 dozen.

P.A.T.A.

WESTMINSTER LABORATORIES LTD., Chalcot Road, London, N.W.1 Tel.: PRImrose 3395/6/7

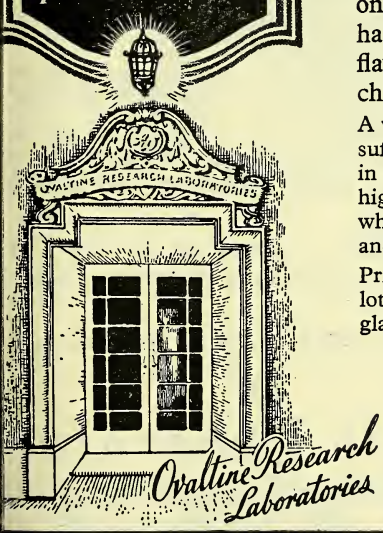
For 'OWN NAME' Malt & Cod Liver Oil of the Highest Quality

Unsurpassed Quality

In Delicious Flavours: Butterscotch Peppermint or Orange

A wide range of Artistic Labels

Keenly competitive Prices



MALT EXTRACT & COD LIVER OIL from the house of A. Wander Ltd. is a preparation of outstanding pharmaceutical excellence. It is the best possible quality and does not crystallize. The Cod Liver Oil is specially selected for its high vitamin content, and the Malt Extract is scientifically prepared by A. Wander Ltd. who are recognized as leading authorities on its manufacture. This elegant product has an attractive appearance and a delicious flavour which is thoroughly enjoyed by children and adults.

A wide range of most attractive labels is available, sufficiently varied to avoid clashing with others in your immediate locality. These labels display high standards of artistic taste and printing which emphasize the high quality of the product and give unusual distinction. .

Prices are keenly competitive for large or small lots. Quotations for your requirements will gladly be sent on request.

A. WANDER LTD.,
42, Upper Grosvenor Street,
Grosvenor Square, London, W.1

Note the new address

AT LAST

enough Dalmas for *all* your customers!

DALMAS, the world's first waterproof plastic dressing, is at last in plentiful supply! In spite of the heavy demand from doctors, hospitals and clinics, you will now be able to supply *all* your customers with the new dressing which is the first and best of its kind in the world.

Dalmas is waterproof, washable, greaseproof and acid-proof. It never frays or curls up at the edges, so cannot catch in clothes. Place your next order now—for immediate delivery!

OTHER DALMAS PRODUCTS

- **GUMTEX** for sore gums and mouth ulcers. Comforting, healing. Handy dispenser bottles 2/6.
- **ARTHENE** volatile iodine rub that gets right under skin. For sciatica, neuritis, sprains. Large dispenser tubes 2/6.
- **BURNOJEL** takes out the "fire" from scalds and fire-burns, heals wounds, cuts, abrasions. Non-staining. Jars 2/6.
- **DALMAS P.P.C. HOSPITAL CREAM** for cuts, abrasions, burns, ulcers. Germ-destroying, quick-healing, medicative. Contains Brilliant Green, Crystal Violet, 5-Aminoacridine on vanishing-cream base. Non-staining, easily washes off. Large dispenser tubes 2/6

All prices (retail) include purchase tax

A. de St. Dalmas & Co. Ltd., Leicester. (Tel. 65261)
London Depot, 140-142 St. John St., E.C.1
Leeds Depot, 14 Neville St.
Scottish Agents: Robert Telford, 29 Waterloo St., Glasgow, C.2

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ESTABLISHED 1904

Specialists in the manufacture of Tablets and Pills

40 years of Specialised Manufacturing Experience assure you of

QUALITY and ACCURACY

PACKED TABLETS, with Chemist's Own Name Labels if desired, supplied in 2 sizes 25's and 100's (with a few exceptions packed in 50 only).

BULK TABLETS, including NF and NWF lines supplied in convenient quantities from 10 upwards.

SACCHARIN TABLETS in pkts. of 100 or in Bulk

The Cooper Laboratory

Telephone: 5612 *Watford* Telegrams: "Science"

THE HOUSE OF MAW

FOR CHEMISTS SUNDRIES

- MANUFACTURERS
- WHOLESALE DISTRIBUTORS
- EXPORTERS

S. MAW, SON & SONS, LTD. NEW BARNET, HERTS

TO HELP YOUR SALES

OUT OF SEASON

WE HAVE MARKETED A

NEW GIFT PACK—

IT WILL BE NAT. ADVERTISED

AS 'MAJOR' 1lb or 2lb

SNAP (PAT.) Vacuum CLOSURES

Thousands of your customers are at a loss as to what to give for a present—here is a new and sensible answer—A PACKET OF THE 1lb. OR 2lb. SIZE 'MAJOR' SNAP CLOSURES only 6s. 0d. or 6s. 6d. and sufficient for 30 jars, very generous trade terms for retailer and wholesaler. We have packed minimum lots of 24 Majors and half of each order will have supplied free Xmas and All-year-round Greetings Cards and transparent wrapping. This line is being Nationally advertised and is sheer value-for-money. CASH IN NOW AND ORDER NOW.

GRAHAM FARISH LTD.
BROMLEY - KENT.
BRISTOL & MANCHESTER

(29

C.V.B

CARR'S VITAMIN B1
PREPARED WHEAT GERM

A RICH SOURCE OF VITAMIN B

Eaten as a cereal or sprinkled on other cereals, stewed fruit, etc.

ONLY FROM CHEMISTS
3/- per large (14 oz.) packet

TRADE:
27/- doz. Case of 2 doz. 54/-
Net Delivered Case 3/- returnable

FROM PRINCIPAL WHOLESALERS OR FROM THE MANUFACTURERS

CARR'S FLOUR MILLS Ltd., CARLISLE

"Insist on the best"

PURE TURKISH LICORICE JUICE

"LICOREX"
Brand

FLAKES—
BLOCKS——
STICKS

Absolute Purity
Highest Glycyrrhizine Content

ORDER FROM YOUR USUAL WHOLESALER

Richard Daniel & Son Ltd

PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

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SILCOT
Towels

. . . preferred by an increasing number of women because of their comfort and safety.

. . . preferred by more and more chemists because they are selling quickly and continuously.

PRICES

SILCOT	Trade per doz. pkts.	Retail per pkt.
Junior	15/9	1/9
Standard	18/-	2/-
Large	22/6	2/6
Extra Large	27/9	3/1
Maternity	30/-	3/4
VENSILLA Soluble	15/8	1/9
SILCOT Sanitary Belts (Inc. Pur. Tax)	16/9	1/11 ea.

SILCOT SANITARY TOWELS

CDONALD & SON LTD., HOPE MILLS, POLLARD STREET, MANCHESTER 4

AYRTONS FOR PENICILLIN

PENICILLIN CREAM

No. 1 MAKING SET (The Original) ANHYDROUS
Per Set (to make 6 pots) ... 6/- *Penicillin (100,000 units)* ... -/11

No. 2 MAKING SET. HYDROUS
Per set (to make 4 pots) 8/-

No. 3 DAILY POSTAL SERVICE. Penicillin Cream B.P. freshly made and posted immediately. *Per ounce, post paid* 2/-

PENICILLIN SOLUTION TABLETS.
Each tablet 12,500 units — *Tubes of 8* ... 1/9 *Bottles of 80* ... 14/-
" " 10,000 " — " *10* ... 1/9 " *100* ... 14/-

CHLOROCRESOL SOLUTION 0·05% for the preparation of Aurist, Guttae and Narist PENICILLIN. *Each*—4 oz. ... 2/-. 10 oz. ... 3/-. 20 oz. ... 4/-

PENICILLIN OINTMENT B.P.
1 oz. tubes or jars ... *per doz.* 16/- 2 oz. *jars* ... *per doz.* 30/-

PENICILLIN EYE OINTMENT. *1 drachm tubes* ... ... *per doz.* 10/-

PENICILLIN EAR CONES. 10,000 units per cone, 12 in box *per doz. boxes* 27/

PENICILLIN LOZENGES B.P. *20's* ... ... *per doz.* 9/-

PENICILLIN SNUFF "AYRTON" contains 10,000 units, Calcium Salt per gramme in a mentholised base. In press-cap snuff tins of *70 grains per doz.* 20/-

PENICILLIN WITH STERILIZED POWDER SULPHATHIAZOLE.
5,000 units Calcium Salt per gramme.
Each — ¼ oz. ... 2/3 ½ oz. ... 4/- 1 oz. ... 7/-

AYRTON SAUNDERS & CO. LTD. LIVERPOOL

There's nothing worse than

stuffy indoor air

—and here is a quick and simple way to clear it.

More and more people are quickly recognising the advantages of the Odaban system of household freshness. For with Odaban there is no mess—no bother, just half an inch of exposed wick freshens rooms—kills odours. Stockists are daily reporting repeat orders. Display Odaban on your shelves now!

Enquiries to—John Travis Ltd., Mitton Street, Stourport-on-Severn, Worcs.

AN INTRACO PRODUCT OF THE INSTONE TRADING CORPORATION

M-W.4)1

SOMNIFERUM

BRAND

HYPNOTIC TABLETS

CODEINE · BARBITONE SODIUM · PHENACETIN

FOR INDUCING SLEEP WITHOUT SUBSEQUENT DEPRESSION

Bottles of 25 Cost 2/9 + 11d. P. Tax Retail 5/1

Bottles of 100 Cost 8/- + 2/8 P. Tax Retail 14/8

C. J. HEWLETT & SON LTD

MANUFACTURING CHEMISTS

35-43 CHARLOTTE ROAD, LONDON, E.C.2

also at 48 Carstairs Street, GLASGOW, S.E.

DRUGS, GALENICALS, PROPRIETARIES

Makers of Vitasac

R. SUMNER & CO. LTD.

HANOVER STREET LIVERPOOL, 1

SV 124

BLYTON ASTLEY & CO., LTD.

Eagle Laboratories

LOWER BROUGHTON, MANCHESTER

thank their customers for their patience and forbearance during these difficult times, and assure them that every effort is being made to supply quickly lines which they have previously purchased.

MILLAMALT

le Manufacturers: JEFFREYS, MILLER & CO. LTD (A6500 I.U., D400 I.U. PER FL. OZ.)

yland Mills, Wigan. *London Dept.* 19 Brookside Rd. N

Malt Extract with added Natural Vitamins

N22

Victory·V

GUMS & LOZENGES

FRYER & CO. (Nelson) Ltd., NELSON, LANCS.

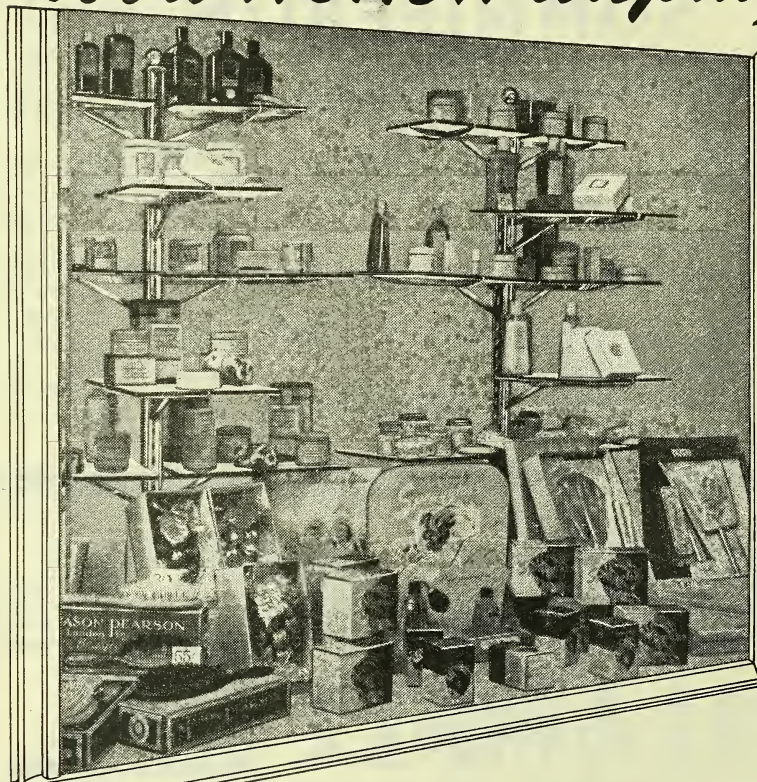
STANDARD SACCHARIN TABLETS

. . . a limited quantity available in regular amounts

THE DALES ASPIRIN & TABLETING CO.

STEETON, Near Keighley, Yorks.

Windows To-day need HOKON display



. . . . and not windows alone!

The gleaming chromium of Hokon Display Fittings, with their glistening hygienic glass shelves, instantly adaptable to varying heights and re-arrangement, are an investment which will yield you big dividends in goodwill and increased service.

Let us send you fullest particulars of these, the latest development in Display Fittings.

HOKON

CHURCH & CO (Fittings) LTD
16 The Oracle · Minster St. · Reading

POTTER AND CLARKE LTD

TRADE MARK

Introduce

TOYTOWN

a Splendid Range of Children's Remedies

Potter & Clarke break fresh ground in offering the trade this fine list of Children's Remedies, the liquids being flavoured especially for the youngsters. Put up in up-to-date modern colourful packs, they should prove a profitable proposition. Up to the present the list is as follows:—

- **TONIC**
- **SOOTHING SYRUP**
- **COUGH MIXTURE**
- **VAPORISING OINTMENT**
- **LAXATIVE**
- **BABY POWDER**

12/6 doz. 6 doz. 12/3 per doz 12 doz. 12/- per doz.
(*excluding Purchase Tax*)

- **ZINC & CASTOR OIL OINTMENT**

6/6 doz. 6 doz. 6/3 per doz. 12 doz. 6/- per doz.

A most attractive display stand is offered the trade (illustrated) and available to those ordering 5 gross assorted Toytown Remedies.

POTTER & CLARKE LTD.

Artillery Lane, London, E.1.

StaffAllenS
FOUNDED 1833

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ISO-EUGENOL
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Manufactured to the highest standards.

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«WB»
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FINE CHEMICALS

PHARMACEUTICALS

MEDICAL PRODUCTS

ARD, BLENKINSOP & Co. LTD.

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CRYSTALLINE PENICILLING

SODIUM, POTASSIUM, and PROCAINE SALTS

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SODIUM and CALCIUM SALTS

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THE DISTILLERS COMPANY (BIOCHEMICALS) LTD.

The above products and pharmaceutical preparations thereof are distributed throughout the world by

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FLEMING ROAD SPEKE LIVERPOOL

CONTAINS NO RUBBER

ific Research has produced in SPONTEX the finest e made or grown . . . wonderfully soft, absorbent and nt . . . stays fresh and saves soap. SPONTEX Sponges a long life and may be cleaned by boiling. Here is a rful sponge to handle, both for the user *and* you—duct backed by a mounting volume of retail aid.

ERTISING. A nation-wide campaign is now in ss, with regular spaces in leading National Weeklies, n's Journals, etc., etc. It is backed up by hundreds ters in London's Tube Stations and buses.

Price: RECTANGULAR 4/7, OVAL 2/9 (Inc. P.T.)

hrough your usual wholesaler who will supply attractive rds for window or counter use—or, in case of difficulty, SPONCEL LTD., WOLDHAM RD., BROMLEY, KENT

Telephone : Ravensbourne 2641

HYGIENIC
•
LUXURIOUS
•
INEXPENSIVE

A delightful protector...

Eubeno

"MEN-LICS"

Men-Lics aid breathing by warming the cold air in its passage to the lungs. They clear obstructions . gently penetrating with their healthful warmth.

6d. per pkt. (incl. P.T.)

Trade Terms on Application.

EWBANKS LTD EAGLE WORKS PONTEFRACT YORK

M&W

TABLETS LOZENGES

CAPSULES & PILLS

SUPPOSITORIES and Pessaries of the B.P., B.P.C., N(W)F., packed or in bulk, now available including Compound Bismuth Subgallate.

"Own formulæ" prices on request.

MATTHEWS & WILSON LTD

Established 1894

6-8, COLE ST. LONDON, S.E.1.

Proprietors of "SUDEX" Senna Pods

Telegrams: PILLEOLUM, SEDIST, LONDON. *Telephone:* HOP 2147-8

PATTINSON'S MAGNESIA

GUARANTEED B.P. QUALITY

Mag. Carb. Levis. Mag. Carb. Pond.
Mag. Oxide Levis. Mag. Oxide Pond.
Mag. Trisilicate.
Mag. Hydrate. Mist. Mag. Hydrox.

Supplied through all wholesalers by the sole manufacturers :

The WASHINGTON CHEMICAL CO. LTD.

A MEMBER OF THE TURNER & NEWALL ORGANISATION.

WASHINGTON CO. DURHAM

London Office:
Everite House, 59½, Southwark St., S.E.1

Manchester Office:
15, Pollard St. East, Manchester, 10

DOLCIN

TRADE MARK

A new American Treatment for
RHEUMATISM ARTHRITIS FIBROSITIS NEURITIS LUMBAGO SCIATICA GOUT

DOLCIN is the trade name for the new succinate-salicylate therapy for all ailments in the rheumatic group. DOLCIN has already had a pronounced success in America and Canada and brought genuine relief to countless sufferers.

DOLCIN GIVES PROMPT RELIEF FROM PAIN

By combining the newly discovered catalytic functions of succinate and the recognised action of salicylate, DOLCIN is directed both to systemic manifestations and to the prompt elimination of painful symptoms.

DOLCIN RESTORES NORMAL METABOLISM

Succinate exerts a marked stimulatory effect on tissue metabolism, greatly increasing oxygen utilisation by the tissues.

DOLCIN OBVIATES TOXICITY OF SALICYLATE

Although acetylsalicylic acid has long been recognised as the most effective analgesic agent for rheumatic disorders, its toxicity forbade massive or prolonged dosage. By compounding acetylsalicylic acid with calcium succinate in Dolcin, toxicity is obviated and large doses may be taken over long periods without any harmful effects.

« **DOLCIN** is a popular and profitable line because:

« **DOLCIN** gives prompt relief to the majority of Arthritic and Rheumatic sufferers.

« **DOLCIN** IS NON-TOXIC and has no harmful effects on the heart or any other organ and is therefore suitable for prolonged administration.

An attractive showcard and counter literature are available on request from Sole Distributors:

TAMPAX LTD.

SALES OFFICE, 110 JERMYN STREET, LONDON, S.W.1.

DOLCIN

Available from leading wholesalers.

PRICES

100's Retail : 8/- per unit plus 2/- Purchase Tax.
Trade : 72/- per doz. plus Purchase Tax.

A combination of Digitoxin (Digitaline Crystallisée) and Aminophylline in tablet form

DIGOPHYLLIN A. F. D

For the treatment of

CONGESTIVE HEART FAILURE, AURICULAR FIBRILLATION CARDIAC ASTHMA

Packings and Prices

	Retail (inc. P.T.)	Wholesale (excl. P.T.)
Vial of 50 Tablets	7/4	4/-
Bottle ,, 200 ,,	26/7	14/6
,, ,, 500 ,,	55/-	30/-

THE ANGLO-FRENCH DRUG CO., LTD.
11-12, GUILFORD STREET, LONDON, W.C.1

A REMINDER

CHEMISTS FORMULA

RETAIL PRICES

1/6 & 2/9

Including Purchase Tax

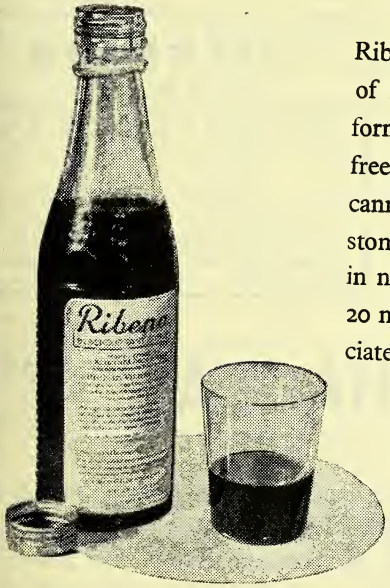
CUPAL MARGINS AND DISCOUNTS

CUPAL LTD., MANUFACTURING CHEMISTS **BLACKBURN**

"Ribena" still a priority

By Ministry of Food order, re-confirmed recently, Ribena Blackcurrant Syrup still remains a priority for babies, children, nursing and expectant mothers, and for special classes on prescription. With the continued conscientious distribution by the Chemists there should now be enough Ribena to meet the needs of all these special classes.

The manufacturing, wholesale and retail price structure has also been approved by the Ministry.



Ribena is the pure undiluted juice of fresh ripe blackcurrants in the form of a delicious syrup. Being freed from all cellular material, it cannot upset the most delicate stomach. It is particularly rich in natural vitamin C (not less than 20 mgm. per fluid ounce) and associated factors.

H. W. CARTER & Co. Ltd.
THE ROYAL FOREST FACTORY,
COLEFORD, GLOS.

Put this Silent Salesma in your Shop!

This fine new counter display is no mere ornament! It's been designed by experts to do a high-powered *selling* job—and do it well! Put one on show now, and watch the extra profits rolling in! Displays to hold 6 dozen (1 dozen each of 6 different shades) are supplied FREE with every order for this quantity. Trade Price: 1/5 per doz. plus 100% P.T. Selling Price 3½d. per packet (including P.T.)

CAMILATONE TŌNRINZ

CAMILATONE LIMITED, WELSH HARP, LONDON, N.W.9.

NIGROIDS

for throat and voice are now available in any quantity from your Wholesaler or direct. Advertising is being issued to the Press and should create a greater public demand.

Prepared in the laboratories of
FERRIS & CO., Ltd., BRISTOL

"*Silktona*"
HOME PERMANENT WAVE
(Guaranteed)

Price to the Public 3/9 including Tax | Order now from your usual Wholesalers

Sole Distributors:
ALFRED FRANKS & BARTLETT CO. LT
Audrey House · Ely Place · London, E.C

MEDICATED SOAP
SKIN & SCALP AFFECTIONS
SULPHAQUA
BATH CHARGE
RHEUMATISM · GOUT · E

EXPORT ENQUIRIES INVITED

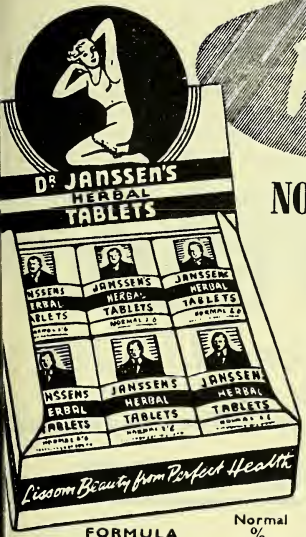
Both products may be recommended with confidence.

REPEAT SALES ASSURED

Immediate delivery through leading Wholesalers or direct from

S. P. CHARGES CO., ST. HELENS, LANCS. - Est. 189

200,000 Ready-made Customers



NOW TO BE DIRECTED TO CHEMISTS

For the past 12 years Dr. Janssen's Herbal Tablets have enjoyed direct sales to the public now numbering over 200,000. The demand to-day is such that sales through the usual Retail channels of distribution have become essential and this vast, ready-made market is now available to Retail Chemists all over the country.

A big and sustained advertising campaign in the National, Sunday and Provincial Press will announce the change-over, divert sales to the Retail and foster demand.

FORMULA	Normal %
Ext. Cascara Sag. Sicc. B.P.	25.625
Ext. Aloes B.P.C. - -	7.500
Ext. Leptandra B.P.C. -	2.083
Ext. Gentian B.P. - -	3.750
Ext. Taraxaci B.P.C. - -	7.500
Cerevis, Ferment. SICC. -	38.541
Mrryh. B.P. - - -	2.083
Lecithin (Ground Nut) -	3.750
Oleoresin Zingib - -	0.958
Base to - - - -	100.00

RE ARE TWO SPECIAL PROFIT INTRODUCTORY BONUS OFFERS

BONUS PARCEL A

	Cost	Selling
doz. 2/6 Dr. Janssen Tablets	16/-	24/-
only 2/6 „ „ „	Free	2/-
es you 38.4% NETT PROFIT	16/-	26/-

BONUS PARCEL B

Two doz. 2/6 Dr. Janssen Tablets	32/-	48/-
½ „ 5/11 „ „ „	19/6	29/-
¼ „ 5/11 „ „ „	Free	14/6
Gives you 43.7% NETT PROFIT	51/6	91/6

excluding purchase Tax

k your order simply A or B parcel. It can go through your usual wholesaler if desired

Janssen's Herbal Tablets are packed in small and attractive display cartons. parcels over £1 carriage free.

Dr JANSSEN'S HERBAL TABLETS

SOLE DISTRIBUTORS

HARRY A. PENNEY (DISTRIBUTORS) LTD.

Barclays Bank Chambers, Kendal, Westmorland

The Greatest of All Tonics—

WITH A WORLD-WIDE REPUTATIO

The familiar Phosferine pack has won for itself an enviabl world-wide goodwill. It has only to be shown to be sold And the sales of Phosferine prove how adequately "The Greatest of all Tonics" lives up to its claims. Make the most of the wonderful popularity of Phosferine by ensuring that your stocks are adequate to meet the demand.

PHOSFERINE

TABLETS and LIQUID

The Registered Trade Mark "Phosferine" is the property of PHOSFERINE (ASHTON & PARSONS) LIMITED.

Retail Prices:
1/6 and 3/8 including Purchase T

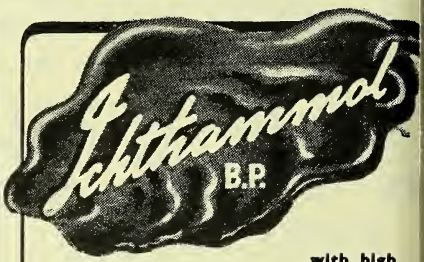
Sole Distributing Agents in the United Kingdom:
BEECHAMS PILLS LIMITED, ST. HELENS, LAN

The Chemists' Standard

GIBSON'S 'MECCA' COUGH PASTILLES

Retail Price 1/8 per tin incl. tax

ROBERT GIBSON & SONS, LTD.
MANCHESTER & LONDON



with high organically combined sulphur content.

Other Asmidar Specialities include:

GLUTONINE (Asmidar)
Strychnine Gluconate — Gives prolonged action with decreased toxicity. Boxes 8 x 1 c.c. ampoules 0.002, 0.0035, 0.005 gm.

ASMIDAR ANTI-RHEUMATIC Ointment
Non Greasy, Non Staining Analgesic
Size ¾ oz. Tubes.

Also—Piperazine (Asmidar) and Sulphazol Cream (Asmidar). Literature and information gladly supplied on request.

ASMIDAR LTD
16 DOUGLAS STREET, LONDON, S.W.1
Telephone: VICTORIA 5556

FOR THE INFORMATION OF PHARMACISTS

THIS ANNOUNCEMENT IS NOW APPEARING IN LEADING MEDICAL AND NURSING JOURNALS

MENOPAUSAL SYMPTOMS ?

MENOPAX *indicated!*

"LOW" STILBŒSTROL THERAPY PLUS SEDATION

MENOPAX TABLETS provide a CAUSAL and SYMPTOMATIC treatment of the Menopausal Syndrome, more particularly of its nervous and vasomotor manifestations such as "*hot flushes*" *of the face and neck*, "*nerves*," *giddiness*, *palpitation*, "*pins and needles*," *insomnia*, *etc.*

CAUSAL treatment is provided by Stilbœstrol, i.e., œstrogen replacement therapy. Stilbœstrol acts similarly to natural œstrogens but its action *per Os* is superior and more prolonged than that of natural œstrogens.

SYMPTOMATIC SEDATION is provided by bromisovalerylurea and carbromal. Both substances are physiologically harmless "open chain" ureides, less drastic than barbiturates but more effective than bromides or valerian.

NO SIDE EFFECTS **NO NAUSEA**

Toxic effects of stilbœstrol, as has been clinically proved, are usually due to over-dosage, but as Menopax complies with the requirements of modern "low dosage Stilbœstrol therapy" the risk of toxic manifestations is minimal and may in practice be ignored. In most average cases of menopausal disturbances, in which the decrease in ovarian function is a GRADUAL process, Menopax will promptly produce satisfactory results, enhanced by "symptomatic sedation."

ACTIVE INGREDIENTS

Stilbœstrol 0.05 *mg.* *Carbromal* 48.75 *mg*
Bromisovalerylurea 16.25 *mg.*

GENEROUS CLINICAL SAMPLES AND FURTHER PARTICULARS WILL BE GLADLY SENT ON APPLICATION TO:

CLINICAL PRODUCTS LIMITED
RICHMOND, SURREY, ENGLAND

C.P.L.

PRICE:

MENOPAX TABLETS

3/1, 6/2 and 12/4

(including Purchase Tax)

Medical Brochures describing this preparation in detail will be gladly sent to Ms.P.S. on application to:

Medical Department
CLINICAL PRODUCTS LIMITED
Richmond, Surrey, England

For the usual attractive C.P.L. discounts and terms apply
SOLE DISTRIBUTORS:

MOORE MEDICINAL PRODUCTS LTD.

England & Wales
GLOUCESTER PLACE, LONDON, W.1.
Welbeck 5718/9

Scotland & N. Ireland
1 QUEENS TERRACE, ABERDEEN
Aberdeen 6000/1

C.P.L.

New Packs — Revised Prices

NEW TRADE TERMS

"HOUGH, HOSEASON"
PACKED PHARMACEUTICAL PREPARATIONS

As and from Monday, 6th December, 1948, revised prices will operate for "Hough, Hoseason" Packed Pharmaceutical Preparations. New and more advantageous Trade Terms come into force forthwith. Almost without exception all lines have been repacked in bright, new, colourful dress.

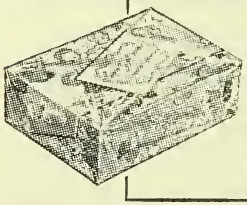
A bold new advertising campaign commences immediately in every important women's publication and long list of newspapers.

If you have not already received our new price list, please send for your copy, right away.

HOUGH, HOSEASON & CO. LTD.

ATLAS LABORATORIES, MANCHESTER, 19

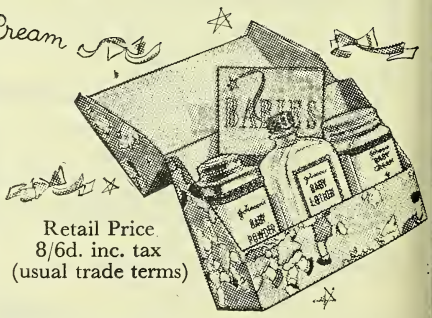
Established 1901



Order Now . . . *and get your share of this business*

Johnson's *delightful* Baby Gift Box

Baby Lotion ✡ Baby Powder ✡ Baby Cream



These three essential Johnson products for baby skin care are now contained in a new Baby Gift Box—so gay, so colourful, so wonderfully fresh and appealing in its transparent wrapper. There is a presentation card, too!

The Gift Box will be ready to brighten your counter from September onwards—but if we may advise you—send your order direct to Johnson & Johnson as soon as you can because supplies will be limited. Demand will be lively for this Gift Box gives you an exceptional opportunity to build profitable three-in-one sales.

Retail Price
8/6d. inc. tax
(usual trade terms)

JOHNSON & JOHNSON (GT. BRITAIN) SLOUGH AND GARGRAVE

This is one of Pierre Pagès delightful drawings for Atkinsons nation-wide advertising under the title "Today in Bond Street."

BY APPOINTMENT
PERFUMERS TO H.M. THE KING
J. & E. ATKINSON LTD.

Fashion news is headline news. That is why Atkinsons advertising campaign for their Gold Medal Eau de Cologne is attracting so much attention. This delightful fashion series, "Today in Bond Street" is catching the eye of millions of women through the National Press and Magazines. The drawings, by Pierre Pagès the eminent Parisian artist, emphasize the fashionable appeal of Atkinsons Gold Medal Eau de Cologne.

ATKINSONS

GOLD MEDAL

EAU DE COLOGNE

J. & E. ATKINSON LIMITED, 24 OLD BOND STREET, LONDON, W. 1

AET 4-1062

Good wishes for Christmas Good news for 1949

We were very pleased that during 1948 we were able substantially to increase our production and to offer you a greater variety of Goya products although, unfortunately, it was still not possible to supply your full requirements of some favourite Goya lines.

In the New Year we will have some really good news for you—something NEW and entirely DIFFERENT, which we feel sure will lead to even greater increases in your Goya sales.

Meanwhile, we should like to express to you our best wishes for Christmas and the year to come, at the same time thanking you for your co-operation during the past year which so largely contributed to the success of Goya.

PERFUME · LIPSTICK · POWDERS

Goya

161 · NEW BOND ST · LONDON · W·1

Cradle Cap

★ Quickly Cleared b

HIoLITE

HIoLITE clears 'Cradle Cap' in two or applications. It is a boon to mothers. HIo formulated on sound Dermatological principles, it's soothing action gently and thoroughly cle the scalp and hair protecting against further infec Recommend HIoLITE and sales will boom. Sup now available. Retails at 1/4½. per bo

AVAILABLE FROM LEADING WHOLESALERS

or from the manufacturers

C. DRAPER & CO. LT

TWYFORD, BERKSHIRE

Galjado

THE UNIVERSAL FAVOURIT

FOR OVER

20 YEARS

HAIR COLOUR RESTORER

H·T·A *For Grey and Faded Hair* P·A

Complete Catalogue of Perfumery and Toilet parations sent on request

All products obtainable from your usual wholesa direct from

S. SIGAL & CO. LTD.

MANUFACTURERS OF EXCLUSIVE TOILET PREPARA

47 TABERNACLE STREET, LONDON,

MANESTY
BRITISH MADE

AUTOMATIC
WATER STILLS

- CONTINUOUS IN OPERATION
- HIGH QUALITY DISTILLED WATER
- LOW COST OF OPERATION
- EASILY CLEANED

OUTPUT
50 gallons
per hour

FROM

STIL

OUTPUT
2 pints per hour

No. 4
STEAM
HEATED
STILL

ELEVEN MODELS AVAILABLE
HEATING by
GAS, ELECTRICITY, STEAM AND PARAFFIN

FULL DETAILS GLADLY SUPPLIED

ANESTY MACHINES LTD.
5 SPEKE HALL ROAD, LIVERPOOL 19
hone : HUNTS CROSS 1321. *Telegrams :* MANESTY, LIVERPOOL

YOU SHOULD STOCK
THE FINEST SCURF REMOVING & SCALP CLEANSING SHAMPOO

NUCTA OIL

THE SOAPLESS OIL SHAMPOO

★

Can be recommended with confidence. Nationally advertised

IN 8 oz. BOTTLES SELLING AT **3/10.** **25/-** per doz., plus tax

CARRIAGE PAID ON NET ORDER OF £2

Obtainable from your Wholesaler or direct from the Manufacturers

STEWART, GOODALL & DUNLOP LTD
121A PRINCES STREET, EDINBURGH

Raywarp News Flash

½ GROSS HANG CARDS

DECEMBER DELIVERY!

A choice of Si
Nylon and Ray
quality Hair N
Wear in the famili
sparkling packs
½ gross Hang Car
at list prices.

Wholesale—Trade Ter
and discount on app
cation to manufactur

Retailers—experienci
difficulty—please wr
to :-

RAYWARP TEXTILES L
Alfred St., North, Nottm. *Tel. 46*

It's BETTER BUSINESS to-

boost your 'KEPLER' sales, for there is a bigger profit for you on every jar of 'KEPLER' you sell. A great national advertising campaign is making the public 'KEPLER' minded — now it's up to you — a prominent display featuring attractive Showcards and Crowner Cards means BIGGER SALES with **BIGGER PROFITS.** Ample supplies of 'KEPLER' are at present available, so stock up at once !

Keep 'KEPLER' to the fore

BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) **LONDON**

For BACTERIOLOGICAL SUGARS

ARABINOSE · CELLOBIOSE · DEXTRINE (Prep. by precipitation) · DEXTROSE (Cryst. Anhydrous)
DULCITOL · GALACTOSE · INOSITOL · INULIN · LACTOSE · LÆVULOSE · MALTOSE
MANNITOL · RAFFINOSE · RHAMNOSE · SACCHAROSE · SORBITOL · SORBOSE · XYLOSE

THOMAS KERFOOT & CO., LTD. VALE of BARDSLEY, LANCASHIR

FERRAEMIA
BRAND
TABLETS

Ferraemia Tablets are perfectly stable; they are chocolate coated, so that there is no possibility of loss from oxidation, and the taste is completely masked. Each batch is carefully tested for rapid disintegration. Ferraemia is economical in use.

INDICATIONS. Haemorrhagic Anaemia. Anaemia due to pregnancy Nutritional Anaemia. Idiopathic Hypochromic Anaemia. Ferraemia is useful as an adjuvant in Pernicious Anaemia in Plummer-Vinson Syndrome, Splenic Anaemia, Rheumatic Disease, Recurrent Cold and cases usually complicated by the presence of iron-deficiency anaemia.

PACKED IN BOTTLES OF 60

NEW SPECIAL DISPENSING SIZES OF 500 AND 1000

Full details and prices on application

Wilcox, Jozeau & CO. LTD
ESTD. OVER 100 YEARS

Lists and details of Wilcox Jozeau products gladly sent on application.

74-77, WHITE LION ST. LONDON, N.1. 19, TEMPLE BAR, DUBLI

The

CHEMIST AND DRUGGIST

for RETAILER—WHOLESALER—MANUFACTURER

DECEMBER 11, 1948

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

le copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

No. 3590 Volume CL

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NEWS OF THE WEEK

" Private Enterprise " Campaign.—The ional Chamber of Trade has prepared ries of shop-window posters to be used a publicity scheme urging the merits of ate enterprise. Copies are to be distri- ed through affiliated organisations.

Chocolate and Sweets Ration.—From tember 5 until further notice, the ration chocolate and sweets is increased from to 16 ozs. per four-week period. There be an extra Christmas ration of 2 ozs. colate and sweets for period No. 6 which an on December 5.

Dentists' Earnings to be Restricted.— Minister of Health has announced , from January 1, the Ministry is to uce by 50 per cent. any earnings above 800 a year by a dentist in the service. e Spens Committee recommended for tists a gross income of £3,800, based a working week of thirty-two hours "by chair" and ten hours' clerical work.]

Soap Ration Increase.—From January 1949, the allowance of soap for holders ation books R.B.1 and R.B.4 is to be increased from six to seven rations per eight weeks. The extra ration is to be obtainable in the first four weeks of each 8-week period when the two K coupons will each be worth two rations. The soap allowance for children is to be unchanged.

Revised British Standards for Phenols. —The British Standards Institution has issued revised standards for phenol (B.S. 523, 1948), and for orthocresol, metacresol and paracresol (B.S. 522, 1948). Copies of the specifications may be obtained from the Institution's sales department, 24 Victoria Street, London, S.W.1, price 2s. each, post free.

Transport of Carbon Bisulphide.— Under the Bisulphide of Carbon (Conveyance) Regulations, 1948 (S.I., 1948, No. 2373) which came into operation on November 8, tanks of more than 600 gall. capacity in mechanically-driven road tank wagons for the transport of carbon disulphide must be divided into self-contained compartments none of which must hold more than 600 gall. (the previous limit was 500 gall.).

D

Labelling of Soft Drinks.—The Minister of Food has amended the Labelling of Food Order, 1946, to enable wholesalers and retailers to dispose of existing stocks of soft drinks bearing the approved S.D.I. label, free from the requirements of the Labelling of Food Order. Soft drinks so labelled may be sold by wholesalers until March 1, 1949, and by retailers until June 1, 1949. The amending Order does not apply to sales by manufacturers, packers or labellers.

Diphtheria Immunisation Progress.—In the first six months of 1948 347.000 children (including 288,000 in the under-five age group) were immunised against diphtheria by local authorities. The Ministry of Health target for the year is the protection of 635,000 infants before their first birthday. In 1947, states the Ministry, there were about 10,000 cases of diphtheria resulting in 244 deaths (against the pre-war average of 50,000 2,900).

Import of Oititica Oil.—The Board of Trade states that whilst no further purchases of oititica are to be made on public account, stocks in the United Kingdom are sufficient to meet all reasonable demands for some time ahead. A further announcement will be made so soon as the Board is prepared to issue import licences. Supplies will be freely available from the Sundry Materials Department's agents, the Oititica Oil Co., London and Liverpool. A licence to purchase and use the oil is now no longer required.

Proposed Institute of Biology.—The Biological Council, representing nineteen biological societies, is to conduct a postal ballot to find what support there would be for a proposed Institute of Biology (to be concerned with legislation, employment, and public relations) with possibly a club and meeting rooms. Biologists not members of one of the nineteen societies may obtain ballot papers from Dr. J. F. Danielli, The Chester Beatty Research Institute, Royal Cancer Hospital, Fulham Road, London, S.W.3.

N.(W.)F. Amendments.—The following amendments to the National (War) Formulary, third edition, come into operation on January 1, 1949:—

(1) Emulsio paraffini liquidi, B.P. (which contains 50 per cent. v/v of liquid paraffin) replaces emulsio paraffini liquidi, B.P.C.

(2) Emulsio paraffini liquidi et magnesiæ is made with emulsio paraffini liquidi, B.P., and the synonyn given in the N.(W.)F. is deleted.

(3) Emulsio paraffini liquidi cum phe olphthaleino is made with the B.P. emu sion, and the suffix to the title chang from B.P.C. to N.W.F.

Homologous Series in Medicine.—M H. R. Ing, M.A., Ph.D. (reader in pha macological chemistry, University of O ford) gave a public lecture in London December 3 entitled "The Pharmacolo of Homologous Series." The pharmac logical properties of a homologous seri he pointed out, changed quantitatively a sometimes qualitatively as the number CH_2 groups increased. Sometimes high members of the series antagonised low members, and often the highest membe were inactive because of lower solubilit In a chemical series (as exemplified by t œstrogens) there was sometimes a sudd emergence of activity depending on t summation of physical properties of t substituents. Pharmacologists, he sai should advise chemists to make as ma drugs of homologous series as possib though that would be tedious to the che ist, and chemists should advise pharm cologists to test as many drugs of hom logous series as possible though that wou be tedious to the pharmacologist.

Employees' Conference.—A conferen of retail pharmacy employees held in Lo don on November 21 under the auspices the Association of Pharmaceutical Er ployees was attended by about sixty r gional representatives. Mr. J. Gilmo (national organiser) described as a falla the statement that employee pharmacis needed no trade union because all pharm cists were united in their professional qua fication. Mr. W. S. Benjamin said tha while 90 per cent. of employers and 8 per cent. of hospital pharmacists were o ganised, the figure for retail employees w much lower. Under the National Heal Service the Minister's contract was wi "persons providing pharmaceutical se vices,"—so that control was passing into t hands of non-pharmacists. A resolutio was passed urging that revised salary pr posals should be put forward by the trad union side of the National Joint Indu trial Council for Retail Pharmacy Th present scales were described as out of kee ing with the qualification and responsibil ties of the pharmacist and far belo the level of remuneration that was now be ing offered; recognition in the scale of un qualified employees who had served an ap prenticeship was held to be at inadequat levels.

LOCAL NEWS

Penicillin Workers' Broadcast. — peakers from the antibiotics plant of axo Laboratories, Ltd., at Barnard astle, co. Durham, took part in a B.B.C. ogramme, "Industrial Review," on Dember 3.

Brighton Officers.—At the annual meet- of the Brighton and Hove Association Pharmacy on November 30, the follow- officers were elected: *President,* Mr. B. Mackie; *Vice-presidents,* Messrs. S. George and D. W. Hudson; *Secretary,* r. K. H. Wright, 68 Portland Road, Hove, *Treasurer,* Mr. T. Rees-Morgan.

Portsmouth Sales Psychology Lecture. A lecture on "Sales Psychology" was en by Mr. R. A. Lodge (Innoxa, Ltd.), a meeting of the Portsmouth Chemists' sociation on November 26, at which mbers' wives and assistants were also sent. Mr. E. B. Johnson (president) was the chair. The lecture was followed by practical demonstration of the use of uty products.

Blackpool Dinner.—At the annual din- of the Blackpool Branch of the Pharceutical Society on November 24, nearly guests were welcomed by Mr. F. J. rter (president) and Mrs. Carter. Mrs. H. Moorhouse presented a bouquet, and . P. Varley a gift from the branch, to s. Varley. Replying to the toast "The sident," proposed by Mr. J. L. Dawson ok, Mr. Carter hoped the meeting of the tish Pharmaceutical Conference to be d in Blackpool in 1949 would be the st successful ever held. Mr. T. A. Dur- was toastmaster and Mr. J. L. Dawson master of ceremonies.

Pricing Explained at Southend.—Miss Murgatroyd (assistant superintendent, uth-eastern Pricing Office), speaking at a eting of the Southend Branch of the armaceutical Society on November 25, cribed the procedure used in pricing tional Health Service prescriptions. She pealed to chemists not to expect pricers to mind readers and not to write on preptions in the columns used by the cing offices. Work was delayed (1) when ms E.C.34 and E.C.38 were not correctly d in; (2) when chemists failed to give details of proprietary articles supplied; (3) when forms were not stamped with chemist's name and address.

An "Unashamed Non-averager."—aking at a meeting of the Somerset Branch of the N.P.U. at Taunton on November 18, Mr. C. B. Gosling in the chair, Mr. H. Holmes (a member of the National Pharmaceutical Union Executive) said that, though "an unashamed non-averager," he thought any attempt at achieving full pricing at present would only cause further delay in the pricing offices. If the averaging system seemed to work too well, however, the Ministry and the Executive might be loath to change it. Turning to the chemists' contract under N.H.S., Mr. Holmes pointed out that it necessitated the payment of not less than N.J.I.C. rates, that the rota fee was intended to cover overheads if no prescriptions were dispensed, and that suitable containers had to be used for all medicines (tablets, for example, should not be issued in envelopes).

IRISH NEWS

N.H.S. Payments Negotiations. — Another meeting between the Northern Ireland Minister of Health and Local Government and the Pharmaceutical Negotiating Committee is to be held shortly. During November the committee, with Mr. R. Gibson in the chair, has held a series of meetings at which a report made by the Government's accountant has been examined in conjunction with that made by the Committee's own accountants. It is understood that between the reports is a divergence which it is hoped to resolve by further negotiations.

Ulster Chemists' Association.—At the November meeting of the executive committee of the Ulster Chemists' Association, the president (Mr. J. C. Acheson) expressed sympathy with the relatives of the late Mr. W. S. Taylor, Enniskillen. The secretary (Miss A. E. Strachan) reported that a letter had been received from the Northern Ireland Hospitals Authority stating that the printing of the Belfast Hospitals Pharmacopœia would be discontinued as it was considered that the National (War) Formulary, at present being revised, would meet the future needs of all hospitals. It was also reported that, in reply to representations from the Association, the Ministry of Health and Local Government had pointed out that local authorities were now responsible for the care of expectant and nursing mothers and young children, and each authority must be left to make its own arrangements concerning the distribution of infant foods, maternity dressings, etc. Mr. N. Brannigan, Ph.C., Dundrum, co. Down, was elected a member of the Association.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

REPLYING to MR. TOM DRIBERG on November 29, the Minister of Food (MR. JOHN STRACHEY) said he had recently offered to the West Indian Colonies a ten-year guarantee to take concentrated orange juice up to a maximum of 5,000 tons a year. The offer had been accepted by the growers and producers in Jamaica, Trinidad and British Honduras. A formula for the annual revision of prices for the first five years of the contract had been agreed; a fresh formula for the remaining half of the contract would be worked out later on. Plans were already in hand for a wide-scale expansion of citrus acreage in the Islands, and for the installation of factories and modern equipment for the production of juice. He hoped that the long-term agreement would bring an increasing supply of juice. MR. DRIBERG asked if he would intensify the campaign to make welfare foods better known and better used, and he replied: "Certainly, that is a consideration which we have very much in mind."

Whale Oil Transactions

SIR WALDRON SMITHERS asked the Minister of Food on November 29 the basis on which he had decided the price to pay for whale oil, and whether he would in future allow private traders to tender for whale-oil contracts. "On the basis of ordinary commercial considerations," replied MR. STRACHEY to the first part of the question, and "No," to the second.

Development Charges

The Chancellor of the Exchequer was asked by MR. A. R. HURD on November 30 if he would state the arrangements for offsetting development charges under the Town and Country Planning Act in cases where a factory extention was to be built on land already held for the purpose. SIR STAFFORD CRIPPS replied: This matter has been carefully considered, but I have reached the conclusion that it is not possible to extend to land developed for additional factories the special arrangements made for land developed for a house for the owner's occupation. The treatment to be given to claimants of this kind will be a matter for consideration in framing the Treasury scheme under Section 58 of the Act. It was impossible, said the Minister, to make regulations for special cases.

Face Cloths

MR. A. H. E. MOLSON asked the President of the Board of Trade on December 2 what controls applied to the production and distribution of "washing cloths," and why they were not usually available in chemists' shops but were sold by street vendors and in open-air markets in London. MR. HAROLD WILSON replied: The use of rationed cloth for the manufacture of face cloths or washing cloths was prohibited under the Miscellaneous Textiles (Manufacture and Supply) Directions, 1942, but some manufacture was permitted under licence. The Miscellaneous Textiles Directions were revoked on November 15, since when there has been no control specifically directed to the production of face cloths; manufacturers of those goods must, however, comply with the provisions of the rationing order when acquiring the cloth from which the goods are made. At no time have the channels of distribution for face cloths been subject to control.

Drugs for Private Patients

SIR WAVELL WAKEFIELD asked the Minister of Health on December 2 why a person insured under the Act who elected to remain a private patient of a doctor who was taking part in the State service was debarred from receiving "pharmaceutical drugs and appliances" free of charge under the Act. MR. ANEURIN BEVAN replied that such a doctor would have no responsibility for observing the general conditions that governed prescriptions at public expense.

LEGAL REPORTS

Pharmacy Act Fine.—At Chatham magistrates' court, recently, Chatham Co-operative Society, Ltd., were fined £10 for selling, at branches where no pharmacist was employed, a seasickness remedy containing hyoscine.

Embezzlement Charge. — At Paisley sheriff court, on December 1, Robert McPherson, M.P.S., 10 Bathgate Street, Glasgow, pleaded guilty to charges of embezzling over £44 from Paisley Co-operative Chemists, Ltd., Paisley. He was fined £25 with the option of three months' imprisonment. Two members of the Society discovered a difference in the amount of their checks and the amount shown on their half-yearly dividend warrants.

TOPICAL REFLECTIONS

N.H.S. Pricing

The detailed report on pp. 730-31 of the Conference of Pharmaceutical Committee Representatives held on November 24 discloses the intricacy of the negotiations undertaken, and not yet completed, for the better pricing of National Health Service prescriptions. Panel chemists owe an immense debt of gratitude to those representatives who have conducted a long and laborious discussion with the Ministry of Health. The predominant question in the minds of chemist-contractors is, naturally, how pricing can be rendered speedier and more equitable. Many suggestions to this end were put forward at the representatives' Conference. It now becomes, I assume, the task of the Contractors' Committee to sort out these suggestions and to adopt for presentation to the Ministry those that give the greatest promise of effectiveness. Your correspondent, Mr. Ivan Jolliffe has earned our thanks for the ingenious plan described in his letter on p. 743. One would like to obtain a banker's opinion on this plan before committing oneself to full approval of it. Any such system would, to be effective, have to be adopted by all banks; and as bankers do not work for love of work, a scale of fees for their services would need arrangement. I take it that legislation would be required in order to bring the scheme into operation. The present position is that panel chemists are dispensing N.H.S. prescriptions under quite unsatisfactory conditions of payment. This state of affairs must be changed—and the sooner it is changed the better.

Fundamental and Applied Research

The presidential address of Sir Robert Robinson at the recent anniversary meeting of the Royal Society (p. 728) gives fascinating glimpses of scientific research in several fields. The enormous amount of work involved in present-day investigations of this kind can be estimated by reading the article of Mr. R. E. M. Davies and Dr. J. B. Hough on British Pharmacopœia preparations of penicillin (pp. 736-39). To their excellent survey these authors have appended thirty-four references to current records. If we multiply any such number by the possible number of subjects now in hand in laboratories, we obtain a fair idea of the extent of contemporary research. The connection between strychnine and emetine, mentioned in the last paragraph of Sir Robert Robinson's address, is a notable example of the surprises that science occasionally brings us. We must accept the condition that the field of research tends to narrow for each worker as he or she probes more deeply into the secrets of nature; but there is no loss in that factor. In the course of his address the president gave a authoritative warning on the peril of neglecting "pure" science. "There is immediate danger," he said, "in the current depreciation of fundamental research, not, of course, absolutely, but relatively, in comparison with technological applications . . . As in a biological equilibrium, there is a natural interdependence between pure and applied research . . . it is impossible to dissect the elements of real progress." The organism will soon die, he added, if one of its limbs is isolated.

Curry Powder

Your discriminating discussion of curry powder (p. 735) evokes memories of an article about which there has been much ink used when pharmacists had a larger sale than they now have for spices. Till about fifty years ago it was customary for instructed housewives to order spices for domestic use from the chemist rather than from the grocer. The first recommendation of the Food Standards Committee (p. 718) strikes me as too loosely worded. The mention of "spices, aromatic seeds and aromatic herbs" suggests that in the minds of its members there is some distinction between these three classes that eludes the ordinary citizen. Perhaps it is a metaphysical distinction. Again, neither "farinaceous material" nor salt appears in any recipe for curry powder known to me, though I admit the possibility of such ingredients being found in curry powders in commerce. In any case it is best for manufacturers of them to adhere to traditional ingredients. May I add a caution against using an excess of hot spices, and especially of capsicum? The "true" Indian curry is reputedly less hot than its British analogues; and experience shows that much harm may be done to the digestive tract by frequent consumption of pungent substances. The cooks and colonels alluded to in your penultimate sentence will do well to bear this fact in mind.

Xrayser

COMPANY NEWS

Cam (Chemicals), Ltd. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, manufacturers of medicines, etc. Arthur W. Lilley, Marjorie Lilley and Edwin W. A. Fuller, 30 Lyttelton Road, London, N.2, directors.

G. R. Mackenzie, Ltd. (P.C.).—Capital £2,000. To carry on the business of manufacturing and dispensing chemists and druggists, etc. George R. Mackenzie and Nellie Mackenzie, directors. R.O.: 218 Ivydale Road, Nunhead, London, S.E.15.

Ames Polish Co., Ltd. (P.C.).—Capital £2,000. To carry on the business of manufacturers of and dealers in polishes, waxes, disinfectants, etc. Beatrice F. Ames and Robert J. Ames, directors. R.O.: New Barn Lane, Prestbury, Cheltenham.

Par Products (Chemicals), Ltd. (P.C.).—Capital £5,000. To acquire the business of chemical manufacturers and packers carried on as Par Products. Leslie R. Parkes, Denis W. Parkes and Clifford H. Parkes, directors. R.O.: 53a Stafford Street, Dudley, Worcesters.

T. Wilson (Nottingham), Ltd. (P.C.).—Capital £7,000. To carry on the business of manufacturing and general chemists, etc. Frederick W. Shepherd, M.P.S., Denis R. Shaw, M.P.S., and Clarissa Shepherd, directors. R.O.: 81 Willoughby Street, Lenton, Nottingham.

Alexander Walker (Chemist), Leith, Ltd. (P.C.).—Registered in Edinburgh. Capital £4,000. To carry on the business of chemists and druggists, etc. Evelyn I. Walker, George F. Sanderson and J. R. Allan, M.P.S., directors. R.O.: 26 Craighill Road, Trinity, Edinburgh.

Rea Manufacturing Co. (Birmingham), Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturers and dealers in chemicals, drugs, medicines, etc. Horace K. Priestley and Wallace E. Stokes, directors. R.O.: Rea Works, 62 Bissell Street, Birmingham, 5.

Allen & Lloyd (Chemists), Ltd. (P.C.).—Capital £8,000. To acquire the business of chemists carried on by David L. Allen, Betty Allen, Peggy Hewan and Molly Hogg at Aldershot and Fleet, Hants. First directors are to be appointed. R.O.: 31 Wellington Street, Aldershot.

E. E. Dunkey, Ltd. (P.C.).—Capital £5,500. To acquire the business of a chemist and druggist carried on at 383 Staines Road, Hounslow. Percival R. Dunkey, Eleanor E. Dunkey, M.P.S., Frank E. Newman and Irene B. Newman, directors. R.O.: 3 Cannon Grove, Fetcham, Surrey.

Peter Pan Associated Research, Ltd. (P.C.).—Registered in Edinburgh. Capital £50,000. To carry on the business of chemists, druggists, research, experimental and development workers, etc. First directors are to be appointed. T. L. A. Skinner, secretary. R.O.: 30 Albyn Place, Aberdeen.

Sparks, White & Co. (1948), Ltd. (P.C.).—Capital £5,000. To acquire from the liquidator the business of distillers' chemists, wholesale druggists and merchants now carried on at Albion Mills, East Tenter Street, London, E.1, and 12 Baden Place, Crosby Row, Borough, as Sparks, White & Co., Ltd. First directors are not named. Solicitors: Jennings, Son & Ash, 69 Leadenhall Street, London, E.C.3.

Metal Box Co., Ltd.—The interim dividend is maintained at 5 per cent.

South African Druggists, Ltd.—Net profit for the year ended June 30 amounted to £103,770, against £122,891 in 1946-47. A final dividend is recommended on the ordinary shares of 10 per cent., making 17½ per cent. for the year, compared with 20 per cent. in the previous year.

British Photographic Industries, Ltd. — An issue is being made to ordinary stockholders of £200,000 4 per cent. debenture stock at 95 per on November 23, at 24s. 6d. per share. The issue is to provide working capital following the acquisition earlier in the year of a controlling interest in Ross, Ltd.

The British Drug Houses, Ltd.—The directors have decided that the balance of the unissued 5 per cent. cumulative preference shares in the capital of the company amounting to 225,000 shares of £1 each should be issued to shareholders registered on November 23, at 24s. 6d. per share. The proceeds of the present issue of preference shares will, after deduction of expenses, amount to about £270,000, and the directors contemplate raising a further £200,000 (approximately) by a private issue at an early date of 4 per cent. ten-year unsecured notes. The 225,000 5 per cent. cumulative preference shares are to be converted into stock immediately after the final payment, ranking *pari passu* with existing stock of that class. The first dividend will be paid on March 31, 1949, and will amount to a full quarter's dividend. Mr. H. Treves Brown, B.Sc., Ph.C., has been appointed secretary as from January 1, 1949.

Allen & Hanburys, Ltd.—Net profit after taxation for the year ended June 30 amounted to £138,971 against £57,613 in the previous year. A final ordinary dividend is recommended of 12½ per cent., making 17½ per cent. for the year, the same as in 1946-47. The carry forward is £27,861; reserve and depreciation, £98,023. The directors' report states that ordinary share capital increased by £19,500 by the issue of 19,500 ordinary shares of £ each to certain of the directors. The company entered into service agreements with certain directors under which they were bound as executive directors for a period of years. The directors also entered into restrictive covenants for a period commencing immediately upon the termination of the service agreements not to enter any competitive business. In consideration of the restrictive covenants, the company, on the execution of the agreements, allocated to the directors 9,750 shares as fully paid and agreed to allot the same number of shares at par. This has since been done. As the general purpose of the agreements and covenants is to improve the goodwill of the company, the directors have added an amount equivalent to the par value of the shares issued as fully paid to the goodwill. Shareholders are to be asked to ratify and approve these arrangements.

PERSONALITIES

Mr. E. Gurr, managing director of Edward Gurr, Ltd., bacteriological stain manufacturers, London, S.W.6, has been elected a Fellow of the Royal Institute of Chemistry.

Mr. J. A. Myers, Ph.C., Royal Infirmary, Bradford, is the author of a letter published in the "Lancet," November 20.

Mr. A. D. Powell, F.R.I.C., M.P.S., lectured on the analytical requirements of the B.P., 1948, in London on November 18. [Corrected note.]

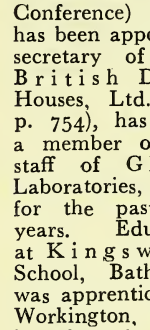
Mr. B. A. Williams, M.P.S., 286 High Street, Brentford, Middlesex, has been elected secretary of the pharmaceutical group of the Socialist Medical Association.

Mr. Robert F. Montgomerie, Ph.D., B.Sc., F.R.C.V.S., has been elected president of the National Veterinary Medical Association of Great Britain and Ireland. He is director of veterinary research of the Wellcome Foundation, Ltd.

Mr. T. F. West, M.Sc., Ph.D., F.R.I.C., recently arrived in Australia to take up an appointment as director of the developmental division, Drug Houses of Australia, Ltd., Melbourne. He was previously assistant director of the Ontario Research Foundation and a special lecturer at the University of Toronto. At an earlier date he was engaged in research work in this country, principally on essential oils, pyrethins and DDT. Dr. West is joint author with Mr. G. A. Campbell of a standard work on DDT, and author of close on fifty scientific and technical papers, and nine patent specifications.

Professor W. H. Linnell, B.Sc., M.Sc., D.Sc., Ph.D., Ph.C., F.R.I.C., who gave the fifth lecture in the Pharmaceutical Society's series on the B.P., 1948 (see p. 772), was appointed to a readership in the University of London in 1926 and professor in 1939. He served his pharmaceutical apprenticeship with Mr. W. Rutter, Newcastle-on-Tyne, and qualified from the College of the Pharmaceutical Society in 1915, passing the Pharmaceutical Chemist examination the following year. After service in France in the Special Brigade, Royal Engineers, he took a degree course in Science at King's College, Newcastle-on-Tyne (University of Durham). He was awarded the Johnson Research Scholarship and prize and, in his second post-graduate year, the Earl Grey Fellowship at Lincoln College, Oxford. On going down from Oxford, Dr. Linnell served two years at H.M. Fuel Research Station. He is a member of the boards of study in chemistry and pharmacy, University of London, of the Pharmacopœia Commission, Codex Revision Committee, Council of the Institute of Chemistry and Joint Chemical Council.

Mr. H. Treves Brown, B.Sc., Ph.C. (one of the joint secretaries of the British Pharmaceutical Conference) who has been appointed secretary of The British Drug Houses, Ltd. (see p. 754), has been a member of the staff of Glaxo Laboratories, Ltd., for the past ten years. Educated at Kingswood School, Bath, he was apprenticed in Workington, Cumberland, and gained retail experience in Putney and Streatham before qualifying as a chemist and druggist from the South of England College of Pharmacy in 1926. He then served as a qualified assistant at the business of P. Bolton (Mr. W. B. Faulding), South Kensington. Passing the Pharmaceutical Chemist examination in 1927, he gained the B.Sc. degree and was appointed, in 1928, research assistant to the Codex Revision Committee. After publication of the B.P.C., 1934, he remained with the Pharmaceutical Society for work on the Extra Pharmacopœia. In 1938 he joined the staff of Glaxo Laboratories, Ltd., Greenford, and in 1942 was seconded to the Ministry of Food for work with Sir Harry Jephcott (managing director of the company), who was then working as manufactured foods adviser to the Ministry. Mr. Treves Brown was later appointed deputy manufactured foods adviser, working in the Food Standards and Labelling Division, and serving as secretary of the Inter-Departmental Committee on Food Standards. At the end of the war he returned to Greenford, where he has been responsible for patent, trade-mark, and other matters. Mr. Treves Brown became a secretary of the British Pharmaceutical Conference in 1944. He is a member of the Codex Revision Committee and of its action and uses subcommittee.



MARRIAGE

MURPHY—O'CONNELL.—At Cappoquin, co. Waterford, Eire, recently, Paul Joseph Murphy, M.P.S.I., Wicklow, to Johanna Mary O'Connell, M.P.S.I., Lissard, Greenagh, co. Cork.

DEATHS

CURD.—In Stockport Infirmary, Lancs, on December 3, following injuries received in a rail crash, Dr. Francis Henry Swinden Curd, Treetops, Bramhall, Ches, aged thirty-nine. Dr. Curd was one of the team of scientists in the research laboratories of Imperial Chemical Industries, Ltd., who in 1946 discovered the company's antimalarial drug Paludrine.

ELLIS.—On November 21, Mr. Frederick Ellis, M.P.S., Pharmacy House, Highridge Road, Bishopsworth, Somerset, aged sixty-three.

EVANS.—At a nursing-home in Cambridge, on December 5, Mr. John Evans, M.P.S., 7 St. Barnabas Road, Cambridge. A native of Flanon, nr. Aberystwyth, North Wales, Mr. Evans served his apprenticeship to the late Mr. J. W. Evans, Lampeter, and qualified in 1893. After experience in Cheltenham, London, and Aberdovey, he purchased businesses at Fitzroy Street and Mill Road, Cambridge. He has held office as treasurer and twice as president of the local Chemists' Association, and was active in the East Anglian Federation. He was chairman of the National Pharmaceutical Union, 1942. A Freemason, he was a Past Master and held several provincial offices. Mr. Evans celebrated his golden wedding in 1945. A son, Mr. J. G. L. Evans, M.P.S., is in business at Hertford.

FAWCETT.—Recently, Mr. Richard Horsfield Fawcett, M.P.S., 36 Market Street, Kirkby Stephen, Cumberland. Mr. Fawcett qualified from Manchester University in 1925 and had been in business in Kirkby Stephen for many years.

GEDDES.—At a memorial service at St. John's Presbyterian Church, Forest Hill, London, S.E.23, on December 3, to the late Mr. E. A. Geddes, M.P.S. (see *C. & D.*, December 4, p. 724), his various businesses were represented by Messrs. H. N. Barham, G. Johnston, A. G. Weir and A. Cottam (co-directors) and by all the employees. Several local medical men and Mr. Arthur Skeffington, M.P., were present at the church for the service.

JACKSON.—On November 27, Mr. Richard Herbert Jackson, 1 Wyndham Terrace Salisbury, Wilts, aged eighty-four. Mr. Jackson qualified as a chemist and druggist in 1887 and was appointed pharmacist to Salisbury Infirmary in 1894. He retired in 1929.

STEWART.—At Scotswood, Oswaldtwistle Lancs, suddenly, on October 14, Mrs S. M. G. L. Stewart, widow of the late Mr. James Stewart, M.P.S., Kirkintilloch Glasgow, aged seventy-eight.

TRANENT.—On November 8, Mr. Robert Andrew Tranent, M.P.S., 65 Fox Lane Palmers Green, London, N.13. Mr. Tranent qualified in 1905.

WILLIAMS. — On November 21, Mr Henry Williams, Ph.C., 13 Howard Road Southampton, aged sixty-four. Mr. Williams qualified as a chemist and druggist in 1905, and passed the Pharmaceutical Chemist examination in 1907.

BUSINESS CHANGES

ALLEN & HANBURYS, LTD., have appointed Mr H. P. Prance, Ph.C., to their technical staff.

PLYMOUTH CO-OPERATIVE SOCIETY, LTD., have opened a pharmacy at 427 Crownhill Road, Weston Park, Plymouth.

POTTER & CLARKE, LTD., 60 Artillery Lane, London, E.1, have appointed Mr. Alan Davison B.Pharm., Ph.C., to their technical staff.

COATES & COOPER, LTD., and PRIORY LABORATORIES, LTD., are removing on December 13 to Pyramid Works, West Drayton, Middlesex.

MR. F. ALAN BELL, M.P.S., has acquired the pharmacy at Bank Chambers, Colwall, nr. Malvern Worcs, previously carried on by Mr. J. W. Lamb, M.P.S.

CHAS. ZIMMERMANN & CO., LTD., are transferring their offices and warehouse on December to Dega Works, Walmgate Road, Perivale, Middlesex (Telephone: Perivale 1200).

BRITISH SCHERING MANUFACTURING LABORATORIES LTD., have appointed Mr. Victor Bond B.Pharm Ph.C., A.R.I.C., chief processing pharmacist, and Mr. E. R. Meacham, Ph.C., warehouse manager

REED BROTHERS (ENGINEERING), LTD., have appointed TOPPING & HENDERSON, LTD., Market Hall Chambers, Church Street, Eccles, nr. Manchester to represent them in the Manchester and north western areas for sales of hydraulic, rubber and plastics machinery.

T. J. SMITH & NEPHEW, LTD., Neptune Street Hull, have appointed Mr. A. F. Johnston the northern area manager in succession to the late Mr. James White. Mr. Johnston's territory covers Scotland, Northumberland, Durham, Cumberland and Westmorland, with headquarters at the company's Scottish office, 19 Queen Street, Glasgow C.1.

C. & D. DISPENSING PRICE LIST

THE following price changes took effect in November :—

Cost d.	Cost per	Due allowance has been made for purchase tax where chargeable	Dispensing price 4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
28	oz.	Caffeinæ citras ..	—	4 1	0 7
54	oz.	Carbromalum ..	—	—	1 3
66	lb.	Cascarilla pulvis .	—	—	—
36	dr.	Ephedrina P.1. (8)	per gr.	0 1½	5 3
30	oz.	Ext. colchici liq. P.1. (9)	—	4 3	0 8
90	lb.	Ext. hæmatox. exot. pulv. ...	3 3	0 11	0 2
175	lb.	Ext. hepatis liq. ..	6 10	2 0	0 3½
58	oz.	Ext. ipecacuanhæ liq.	—	8 6	1 4
14	oz.	Glyc. belladonnæ S.1. (5)	—	2 0	0 3½
69	lb.	Inf. buchu conc. .	2 5	0 8	0 1½
78	lb.	Liq. iodi mitis .	2 9	0 9	0 1½
84	lb.	Ol. eucalypti ...	3 0	0 10	0 1½
36	oz.	Ol. lavand. gall. .	—	5 3	0 9
60	oz.	Ol. myristicæ ang.	—	—	1 5
42	oz.	Ol. myristicæ exot.	—	—	1 0
33	lb.	Ol. terebinthinæ, B.P. 16 fl. oz., 3s. 8d.	1 2	0 4	—
30	oz.	Pancreatinum ...	—	—	0 8
78	lb.	Potassii borotartras	2 9	0 9	0 1½
66	oz.	Procain. hydrochlor. S.1. (4)	—	—	1 7
192	oz.	Quinidina ...	gr.x	0 10	4 7
42	oz.	Sulphathiazolum ℞ only	—	6 4	0 11
15	oz.	Ung. phenolis P.11. (9)	per	tube	2 3

N.H.S. PROBLEMS DISCUSSED

A REVIEW of pharmaceutical development under the National Health Service was given by Mr. H. N. Linstead (secretary of the Pharmaceutical Society) at a meeting of the East Metropolitan Branch at East Ham, London, E.6, on November 1. He said pharmacists had been able to cope with the increase in dispensing and there had been few complaints from the public. The fall in private dispensing had caused little hardship. To Mr. F. R. Maxey, who asked whether there would not be a decrease in the number of small prescriptions if patients had to pay a small amount for each prescription, he pointed out that in France, under a similar scheme, 40 per cent. of prescriptions were paid for; such a scheme, he thought, was not likely to be adopted in Britain. Mr. H. W. Goodman considered the National Pharmaceutical Union representatives had not helped to establish the position of the qualified manager in relation to the contract. Mr. Linstead replied that a stand taken by the multiple companies had given the N.P.U. little opportunity to persuade the Minister to agree to the original suggestions of the Joint Committee on a National Pharmaceutical Service.

COMING EVENTS

Items must be received not later than first post on Wednesday.

Monday, December 13

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon Hotel, Southampton, at 7.30 p.m. Mr. F. C. Wilson (a member of the Society's Council) on "From Now On."

Tuesday, December 14

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Medico-chirurgical Society, 64 St. James' Street, Nottingham, at 7.15 p.m. Film on "Hæmatology" presented by Dr. J. G. A. McSorley.

PRESTON PHARMACISTS' ASSOCIATION, Bull and Royal Hotel, Preston, at 7.30 p.m. Mr. A. W. Bull, B.Sc., B.Pharm., A.R.I.C., Ph.C., on "A Review of Ointment Bases."

Wednesday, December 15

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 8 p.m. Sir Percival Hartley, C.B.E., M.C., D.Sc., F.R.S., on "Biological Substances of the B.P., 1948." (Last lecture of series.)

CAMBRIDGE BRANCH, PHARMACEUTICAL SOCIETY, Matthew's Café, Trinity Street, Cambridge, at 8 p.m. Dr. F. Wrigley on "Modern Developments in Vitamin Therapy."

SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, Greyhound Hotel, King Street, Maidenhead, at 7.30 p.m. Christmas party (tickets 5s. each including refreshments).

TEES-SIDE BRANCH, PHARMACEUTICAL SOCIETY, Cleveland Scientific and Technical Institute, Corporation Road, Middlesbrough, at 7.15 p.m. Lectures on the B.P., 1948: Mr. T. R. Scholfield, Ph.C., on "Chemotherapeutic Substances and Dyes"; Mr. A. Bastow, Ph.C., on "Injections and Sterilisation"; Mr. K. F. Waring, M.P.S., on "Tablets."

Thursday, December 16

EAST MIDLANDS SECTION, ROYAL INSTITUTE OF CHEMISTRY, Technical College, Nottingham, at 7.15 p.m. Dr. C. H. Hampshire on "Observations on Pharmacopœias with Special Reference to the B.P., 1948" (pharmacists invited).

Friday, December 17

LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Discussion on trade union affiliation.

TRADE NOTES

Showcard.—A new showcard for Calsimil, issued by The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, is illustrated on another page.

Display Outer.—Chemists are invited to write to Menley & James, Ltd., 119 Coldharbour Lane, London, S.E.5, for additional display outers for Benzedrine inhalers.

Sun Lamps.—An eight-page booklet issued by Lumsden Lamp Co., Millburn, Almondbank, Perths, lists the various types of sun and infra-red lamps issued by the company.

New Double-size Pack.—Prentif, Ltd., Long's Court, St. Martin's Street, London, W.C.2, have introduced a new, double-size tube of their spermicidal compound. The tube is also available in a set with applicator constructed of plastic material.

Photographic Enlargers. — Gnome Photographic Products, Ltd., 354 Caerphilly Road, Cardiff, are manufacturers of the Alpha and Beta vertical enlargers for 3¼ x 2¼ in. negatives. A leaflet describing the enlargers is available from the company.

Tablets in New Strength. — Glaxo Laboratories, Ltd., Greenford, Middlesex, have introduced Celin tablets in a 200-mgm. strength. The 1,000 pack remains at an unchanged price, but the price of infant Celin (10-mgm. tablets) has been increased.

Extra-large Muslin Squares. — The Cellusan Co., Ltd., Essex Road, London, N.1, are issuing Dr. Carr's squares (full size, 36 in. x 36 in.), in a new five-colour Noah's ark pack. Trade terms are given on another page.

More Light Despite Load Cuts.—Crompton Parkinson, Ltd., Astor House, Aldwych, London, W.C.2, point out that to replace tungsten filament lamps by a planned fluorescent installation secures more light for the same or even less total wattage.

Air Purifier.—The Rotosan air-purifier, issued by W. & F. Walker, Ltd., Kirkby, Liverpool, is available as an outfit that includes a plastic container (blue, bronze, pearl or green) with grating for affixing to a wall, and 6-oz. bag of crystals for refilling the container.

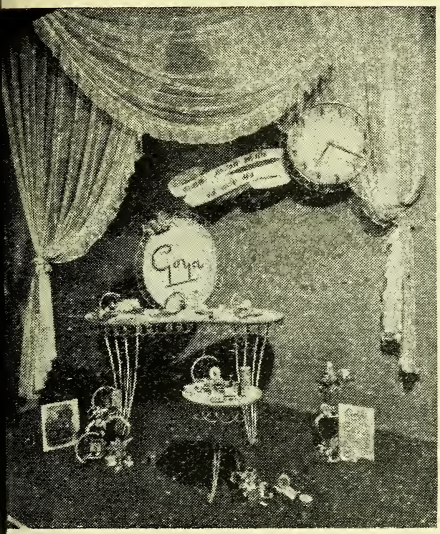
Bronchial Tablets.—A popular-priced proprietary for counter sales is Marsh's bronchial tablets, issued in pale-green circular tins with label in brown and black on white by Marsh, Brooks & Co., manufacturing chemists, Bolton, Lancs. The tins are sent out in display outers.

Above B.P.C. Specification.—Imperial Chemical (Pharmaceuticals), Ltd., Manchester, claim that their Avlon brand mild silver proteinate, B.P.C., not only conforms to the official specification, but possesses certain advantages in physical characteristics, being less hygroscopic, easily soluble and elegant in appearance.

Remedies for Children.—Elsewhere in this issue Potter & Clarke, Ltd., Artillery Lane, London, E.1, illustrate a new range of children's remedies which they have introduced under the name Toytown. An attractive display stand in the form of a merry-go-round is supplied with orders of five gross assorted.

Baby-size Hot-water Bottle. — Hytex Ltd., 304 Latimer Road, London, W.10 have introduced a baby-size rubber hot-

water bottle in pastel shades. The bottles bear steel-engraved surface designs from drawings by Miss Kathleen Burrell, a well-known illustrator of children's books, and both in choice of subject and in technical excellence of the engraving the designs are of a very high order of merit.



WINDOW DISPLAY PRIZE-WINNERS. — In a national and regional window display competition, November 1948, organised by Goya, Ltd., 161 New Bond Street, London, W.1, the first national prize was won by Owen Owen, Ltd., Liverpool, 1, with a display (left, above) on the theme "Fragrance that outlasts the passing hour." Runner-up was Hutton & Barrett, Ltd., chemists, Leamington Spa, whose display included a copy of the Goya painting "Dona Isabel Cobos de Porcel." Among the fifty winners of other prizes were many chemists.

Redesigned Packs. — A change in the abels, tins and cartons used for Bisodol ntacid digestant is announced by the anufacturers, International Chemical Co., td., Chenies Street, London, W.C.1.

Chemical and Essential Oil Guide.—J. rummer, 14 Seething Lane, London, .C.3, have issued the first of a series of ocket guides to chemicals and essential oils —a twenty-page booklet printed in two olours and containing information about velve natural raw materials, with illustraons of their botanical sources and details f their applications in industry. Interested ubscribers may obtain copies of the bookts by sending name and address to Iessrs. Brummer.

Trade Journeys by Air.—British Euroean Airways, Keyline House, Ruislip, Iiddlesex, provide transport links with the ain European capitals as far east as Isnbul and within England, Scotland, orthern Ireland, the Isle of Man and the hannel Isles. On the internal service any fares have recently been reduced. ll meals served on board are complimentry, and on the Continental routes drinks nd cigarettes bought in the air are dutyee. There are special rates for circular ips, and regular scheduled mail cargorrying services.

Penicillin Products.—Burroughs Wellome & Co., 183 Euston Road, N.W.1, anounce that a more concentrated form of ellcome brand penicillin (oil-wax) suspension, containing 300,000 international units per c.c. is now available in rubber-capped bottles of 10-c.c. Tabloid brand penicillin is now available at a strength of 100,000 i.u. in tubes of ten (the product is scored for division to enable the practitioner to give doses of 20,000, 50,000 and 100,000 i.u., or multiples). Crystalline penicillin-G (sodium salt) is also now available from the company in strengths of 0.1, 0.2, 0.5, and 1.0 mega unit.

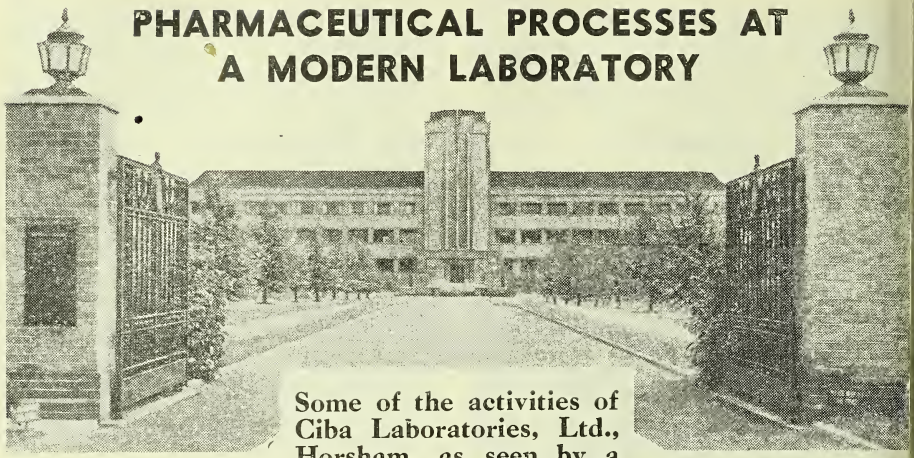
Proprietary Articles Trade Association

Alterations to Protected List (Part 1).—*Allen & Hanburys, Ltd.*—Penicillin chewing-gum, 5,000 units, boxes of six pieces, 24s. doz., 3s.; hospital pack, boxes of 100 pieces, 27s. 6d. each (exempt).

Parke, Davis & Co., Citralka tablets, effervescent, tubes of 25, 28s. 8d. doz. (tax 33⅓ per cent.), inclusive retail price 4s. 5d. Effervescent lithium citrate tablets, gr. 5, 40's, 20s. 8d. doz., 2s. 7d.; 100's, 41s. 4d., 5s. 2d. (exempt). Orygene tablets, 100's, 24s. 8d. doz. (tax 33⅓ per cent.), i.r.p. 3s. 9½d. Effervescent Vichy salt (artificial) tablets, 40's, 16s. doz. (tax 33⅓ per cent.), i.r.p. 2s. 5½d.; 100's, 32s. doz. (tax 33⅓ per cent.), i.r.p. 4s. 11d.

Samona, Ltd. (Correction to P.A.T.A. year-book, 1948-49). Samona brand tablets. Retail prices, including purchase tax, 3s. 8d. and 6s. 1½d.

PHARMACEUTICAL PROCESSES AT A MODERN LABORATORY



Some of the activities of Ciba Laboratories, Ltd., Horsham, as seen by a member of the editorial staff of the *C. & D.*

THE modern brick-built pharmaceutical manufacturing laboratory of Ciba Laboratories, Ltd., situated in some sixteen acres of gardens, and sports fields at Horsham, Sussex, started production under the shadow of war in September 1939. The factory was then unfinished (without doors, for example), and was practically without staff, for only one girl from the production side of the old London factory had transferred to Horsham. However, with the initiative and capacity to extemporise of Mr. S. Hudson (works manager), and the willing help of the young people of Horsham, who were recruited to the works and trained from scratch, the laboratories developed steadily through the war years, and a number of important new medicaments were added to the company's range. An outstanding feature of this range is a well-defined pharmacological action, and this probably provides the key to the layout and routine of the factory.

Pharmaceutical Processes

The main door of the factory opens into a roof-high marble entrance-hall, out of which lead the staircase and lift. The faint background noise of tablet machines reveals that the front part of the building is concerned with the preparation and presentation of drugs (the rear of the building being devoted chiefly to manufacture of active principles). The ampoule and tablet departments are particularly important to the company, as the therapeutic principles it handles are so often prescribed as injections, or as tablets. The ampoule department, in particular, provided opportunity for extemporising, during the early days of scarcity, apparatus such as an ampoule-filling pump, in use in the department, the pattern of which has now become standard commercially.

Ampouling

The ampouling process commences with the empty ampoules, which are first cut by hand by a simple method—developed within the factory—that equals in accuracy and surpasses in speed any machine so far tried there. After washing with water of controlled *pH*, the ampoules are indelibly labelled with the name of the drug they will finally contain. This is done by an offset printing and then by a "burning" process, which sterilises the ampoules at the same time. The pump-filling and sealing process which follows is conducted automatically, for large quantities of ampoules, in an ingenious apparatus of stainless steel. The apparatus, which can handle 1,500 ampoules an hour, has three gas jets which pre-heat, seal and cap-seal the ampoules. For smaller batches a hand-operated pump filler is used. The sealed ampoules are sterilised by autoclaving, tested for complete sealing by immersion in a dye solution under vacuum, sampled for chemical and sterility tests, polished, and given a final visual inspection before being labelled with the batch number, and packed. Checks are made between each stage where possible. The solution for the ampoules is supplied by workers in the

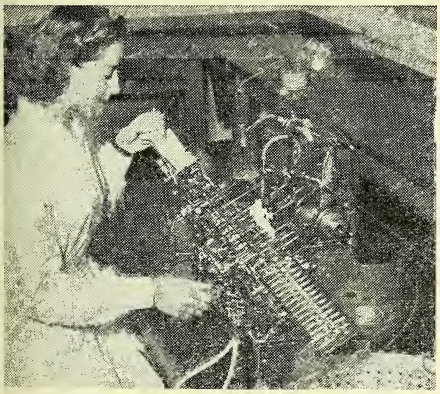
preparation laboratory under the supervision of pharmacists. For certain solutions polyvinyl chloride tubing has been found particularly useful.

A new screw-type emulsifying machine, which may be lowered into heated ointment pans, simplifies the production of ointments of sex hormones. The ointments are packed into tubes and sealed by hand-operated mechanism. Tablets, like the other pharmaceutical preparations, are made under spotlessly clean conditions.

Manufacturing Processes

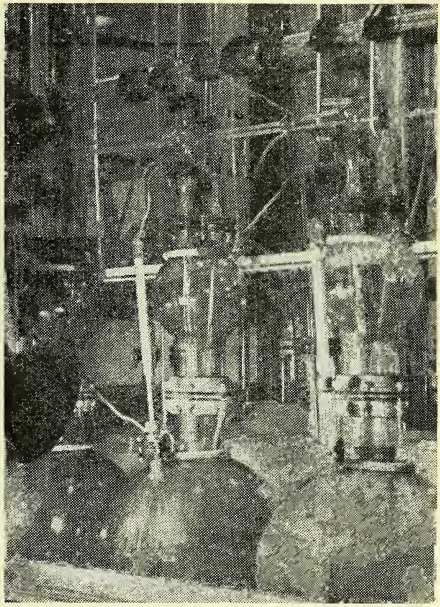
The Cibazol (sulphathiazole) plant, in the rear of the building, is notable for the wide use it makes of heat-resisting glass for pipelines—a feature which is being applied throughout the whole factory. Columns and heads of iron, for example, are being replaced by apparatus made of resistant glass, and bolted through a shock-absorbing manifold direct to metal.

For the manufacture of Cibazol, dichlorodiethyl ether has first to be prepared. Owing to the fire danger from ether and to the lachrymatory nature of the product, the chlorination of the ether is carried out in a building remote from the main factory.



Ampoules being filled and sealed by machine at some 1,500 per hour.

The plant which is made up of units embodying 50-litre heat-resisting glass flasks, is a masterpiece of extemporisation, and has been evolved directly from laboratory methods. The whole apparatus is self-contained, and provision is made for examining the products without exposing them to the atmosphere while chlorination is in process. The plant is enclosed in a glass

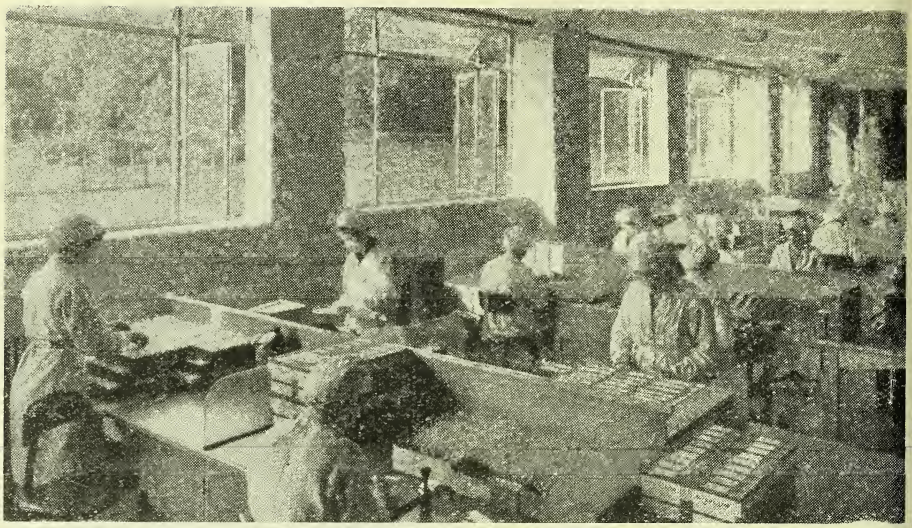


Part of the ether chlorination plant seen through a panel of ultra-violet-light transmitting glass. On the extreme left may be seen one of the u.v.-light generators.

cabinet so that during the process the atmosphere of the building is free from any trace of ether or of the lachrymatory product. The lower panels of the cabinet are of glass that admits ultra-violet rays from generators placed outside and focused on the flasks (see picture above). Ether vapour is excluded from the generators by positive pressure Polyvinyl chloride gaskets are used on all joints of the apparatus, and the cylinders containing the chlorine are kept adequately warm during the process by a constant stream of cold water. After preliminary purification, the chlorinated product is vacuum-distilled.

Vacuum Separating Still

The air-cooled separating still in the high-vacuum distillation room exemplifies the good use to which resistant glass may be put for manufacturing-scale apparatus. Incorporating an air-condenser some six feet long, the still is made entirely of resistant glass, and was built to the Ciba laboratory's own design. The furnace, also made to design, consists of an electrically energised jacket heating with black heat a 20-litre resistant-glass flask.



A view inside a typical workroom at the factory, showing in particular, the light and airy conditions. The operatives are packaging ampoules of an anæsthetic.

Sex hormones, more expensive than gold, are manufactured on a smaller scale. Trays of large detached crystals of synthetic hormones may be seen drying in laboratory-scale ovens.

The processes described and the many others conducted at the factory (including, for example, the manufacture of Antistin) have been simplified by using throughout the metric system, which the young operatives soon learn. The routine of the works is helped also physically by an abundant supply of soft water obtained from the factory's own bore hole, some 250 feet deep, which taps supplies from the Tunbridge Wells beds.

Studied Working Conditions

Much of the quiet efficiency of the factory is due to the obvious happiness of the staff in their work, a factor in which the management takes justifiable pride. While this commendable spirit is probably due in part to the amenities and conditions at the factory, such as payment during illness, sports activities, canteen services, etc., it probably reflects also the special study that the management has given to such problems as "job break-down," "job instruction," and "staff relations." Among the notable features in the construction of the building is the echo-reducing ceilings, which are made of a material that significantly reduces general factory noises.

A tribute to the good name of the British branch of Messrs. Ciba is that, despite the lapsing of certain patents, the demand from home and abroad for the factory's preparations continues to increase. The products sent overseas contribute significantly to Britain's exports.

A PHARMACIST'S ANTHOLOGY

And Wren, the chemist, tall and spare,
Stood gaunt behind his counter there.
Quiet and very wise he seemed,
With skull-like face, bald head that gleamed;
Through spectacles his eyes looked kind.
He wore a pencil tucked behind
His ear. And never he mistakes
The wildest signs the doctor makes
Prescribing drugs. Brown paper, string,
He will not use for anything,
But all in neat white parcels packs
And sticks them up with sealing wax.
Miss Thompson bowed and blushed and then
Undoubting bought of Mr. Wren,
Being free from modern scepticism,
A bottle for her rheumatism;
Also some peppermints to take
In case of wind; an oval cake
Of scented soap; a penny square
Of pungent naphthaline to scare
The moth. And aften Wren had wrapped
And sealed the lot, Miss Thomson clapped
Them in beside the fish and shoes;
"Good-day," she says, and off she goes.

—From "Miss Thompson Goes Shopping," by Martin Armstrong.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

HE Council of the Pharmaceutical Society et in London on December 1, MR. H. LEMENT SHAW (president) in the chair.

THE SECRETARY (Mr. Hugh N. Linstead, .P.) reported that forty-four persons had een registered as apprentices or students ince the previous meeting, making the total 02 for the year. MR. H. M. HIRST asked ow many had signed articles of pupilage r 1948, and the figure was promised for e next meeting. The Council agreed to estore the names of five persons to the egister.

Acknowledgment was received of a letter nt from the Society to Princess Elizabeth nd the Duke of Edinburgh expressing the leasure the Society felt at the birth of the rince. It was resolved to send a letter to e King, conveying the Society's hope for is speedy restoration to health.

MISS M. A. BURR, who presented the port of the Benevolent Fund and War Aid ommittee, gave the total monies received r the War Aid Fund as £40,600, and the xpenditure as £20,688. Applications for sistance were agreed.

ranch Organisation

Mr. F. G. WELLS, for the Organisation ommittee, stated that a resolution submitd by the Worcester City and County ranch that the Society's title should be tered by Supplementary Charter to "The oyal Pharmaceutical Society of Great ritain" would be included in the agenda r the next Branch Representatives' Meetg. An application to form a new branch overing Worthing and district was pproved. In discussion on the appropriate ze of branches, MR. WELLS agreed that e smaller branches were often the most tive; MR. G. H. HUGHES urged that ranches should be reduced, not necessarily numbers of members, but in size of area. ISS M. C. ISLIP asked whether individual embers with special knowledge on parcular subjects might be invited to attend nd speak at Branch Representatives' meetgs, but the committee agreed to make no hange in the present rule.

inance

THE TREASURER reported that the purhase of Birdsgrove House for £12,600 had een completed. It was also agreed to seal deed transferring to the Society the copyght of Squire's "Companion to the British harmacopœia" without financial obligation. There was no present intention, it was announced, of republishing. The Society's Benevolent Fund had been made residuary legatee (under the will of the late Arthur Albert Deck) of a freehold property, let furnished, at Cambridge.

Education

MR. A. A. MELDRUM, who presented the minutes of the Committee in the absence of the chairman of the Education Committee (Mr. C. W. Maplethorpe) said that six special applications in respect of examination regulations had been granted. Messrs. Tristram and Heseltine had been present by invitation of the chairman when applications of two persons born abroad (see *C. & D.*, November 20, p. 672) were again considered by the committee; after full discussion the candidate from Czechoslovakia was granted exemption from the first year of the two-year final course, subject to his passing the Society's Intermediate examination in or before July 1949. In the other case the previous decision was confirmed. Applications for approval of premises from the Royal Northern Hospital, London, from Clatterbridge General Hospital, Ches, and from the manufacturing laboratory of Wyleys, Ltd., Coventry, were approved. Approval was also granted to the Bolton municipal technical college for a course of study for the Society's Intermediate examination.

The secretary was asked to prepare a report on the man-power situation, to be considered as soon as possible.

It was noted that negotiations between the Society and the University of London on terms for the taking over of the Brunswick Square building by the University were in an advanced stage.

British Pharmaceutical Conference

The Executive's report on the British Pharmaceutical Conference stated that an invitation from the Glasgow and South-western Scottish Branch to hold the Conference meeting in Glasgow in 1950 (instead of 1951) had been accepted with pleasure; September 12 had been mentioned as a likely opening date. A detailed report from the Brighton local committee on the 1948 Conference showed that 387 full books of tickets, and fifty-eight day tickets had been used. Twenty-six young pharmacists or members of the Conference had been assisted to attend. The Council decided to allocate £500 for similar facilities in 1949.

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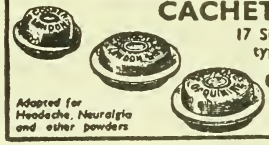

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OL. CL DECEMBER 11, 1948 No. 3590

University Perplexities

IARMACEUTICAL education in Great itain is so increasingly associated with iversity degrees that the latest report of e University Grants Committee has a rticular as well as a general application. he report, entitled "University Developent from 1935 to 1947" (pp. 106: H.M. ationery Office, 2s. net), should be read everyone taking part in the education students for careers in pharmacy. The cts set forth in it form convincing evince of the difficult years through which itish universities must pass before a tter balance is attained between the facs determining the arrangement of unirsity life. The Committee, first appointed 1919, is a strong one, including such stinguished people as Sir Walter Moberly hairman), Sir Charles Darwin and Sir dward Salisbury: it now functions under vised terms of reference issued by the rds Commissioners of the Treasury in 46. About three-fourths of the report is voted to post-war problems.

The Committee shows, with the aid of atistics, that financial stringency, though rious, is not the main difficulty confront-g the universities. We should perhaps be er-simplifying if we intimated that all e difficulties specified arise from overowding. That feature will serve, hower, as a point of departure for this brief rvey of a masterly report; and we may nsider it in two aspects—as it affects the udents, and as it affects the professors d tutors. First, then, present and prospective students should not expect, for some time to come, the facilities and amenities hitherto usual in undergraduate life. The ratio of staff to students is certain to suffer; shortage of accommodation for discussion groups and individual tuition is another drawback. The report states:

> "In some universities there is no room in Union or Library for a large proportion of the students; the present shortage of books adds further to the pressure on the libraries. At many universities there are, every day, long queues waiting for places in refectories . . . ."

The housing of students is, as might have been expected, another serious problem. At Oxford and Cambridge, for instance, "the search for undergraduate lodgings extends far into the surrounding countryside," and in one Oxford college temporary huts have been erected in the quadrangle. Halls of residence are favoured by the Committee: they will, of course, be expensive, and will take a long time to erect.

Heavy Demands on Staff

The difficulties confronting the staff are not less onerous. The average age of teachers is probably too low; the lack of private rooms militates against efficient tuition; library accommodation is restricted; salaries are often lower than they should be. Another handicap is the heavy demand made by administrative duties on the time of responsible members of college staffs. In many cases they have little or no time for research. Taking these factors into account, it is clear that great efforts will be needed if undergraduates are to receive the full benefit of the education that only universities can give, and if a general lowering of standards is to be avoided.

Looking to the future, the Committee warns graduates against over-valuing research, either for its own sake or as a step to promotion. It is reassuring to find that no danger of State interference is apprehended, though the proportion of university income derived from the Exchequer has increased in recent years. The danger feared, or suspected, is more subtle—"the risk of a diminished vigour in academic life." Awareness of this danger should put university authorities on their guard.

A French Finding on Fluorides

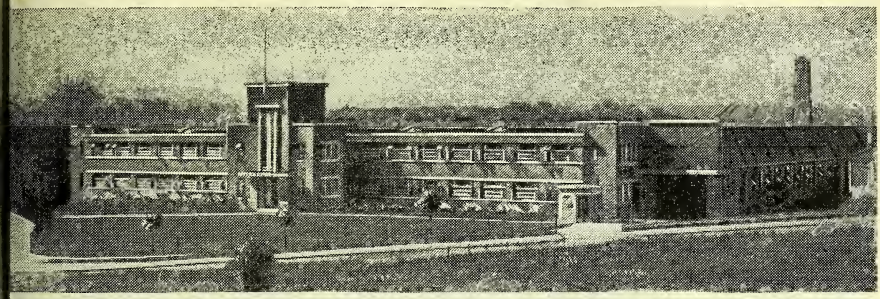
SINCE the "British Medical Journal" recommended (see *C. & D.*, 1944.I.444) that a proportion of soluble fluoride should be included in dentifrices, little more has been heard of the suggestion. So far as is known, no manufacturer of tooth-pastes has modified his formula in that way. Possibly the practical difficulties (of localising the product to areas in which there was no objection on the ground of an existing excess of fluorine in the drinking water) proved too great. Whatever the cause, it is perhaps fortunate that no action was taken by the manufacturers, for a warning is given by a French dentist of risks that attend the oral use of fluorides. Barrieu ("l'Information Dentaire," xxx. 308, abstracted by the "British Dental Journal") points out that, while the amount of sodium fluoride contained in tooth-pastes containing fluorides is too small to justify a claim that the preparations are effective as topical remedies, particles of the chemical may easily remain between the teeth and be swallowed. The author enumerates from his own experience symptoms due to accumulation of fluorine in the system. Among them are rapid loss of flesh, muscular stiffness, cachexia, and nervous degeneration. Though the last are slow to make their appearance, autopsies reveal bones are livid in appearance, porous, friable and fragile but not softened (a different diagnosis from osteomalacia). Not only workers in factories where fluorine is used but also dwellers in the vicinity of the factories seem to be affected. Fluorine enters the teeth, states Barrieu, by way of the interprismatic substance of the enamel and may affect the dentine and the pulp and cause disturbances.

An Antiviral Sulphonamide?

SHOULD a sulphonamide compound be found that is effective against a virus disease, chemotherapy would take a new and important turn. A start in this direction appears to have been made, if work done by Sanders and others at the Columbia University is confirmed, for they have successfully used the sodium salt of N-(2 thiazolyl)-phenol sulphonamide against a virulent strain of mouse poliomyelitis. In experiments on 300 mice the compou was found effective against 100 times LD_{50} the test virus, provided that traperitoneal administration was co menced within twenty-four hours of fection. Moreover, the surviving m were immune to reinfection. Tissue tures indicated that the activity of the d is derived from reaction with cellular s strate. The antiviral, like the antibacter action is nullified by para-hydro benzoic acid. In mice and monk the compound was "strikingly non-toxi and tests are being extended to ascert its effectiveness against a human strain poliomyelitis in monkeys. A report on work so far carried out, and on para work done in the laboratories of Lederle Laboratories Division, Americ Cyanamid Co., is given in "Texas Repo on Biology and Medicine" (1948.3.385)

World Offensive for Better Heal

THE establishment on September 1, 19 of the World Health Organisation as permanent specialised agency of the Unit Nations will go down in history as a lan mark in man's fight against disease. its universal character, W.H.O. is in position to bring about that world-wi co-operation which is essential if the bet health standards of the more advanc countries are not to be undermined by u healthy conditions elsewhere. The fif six nations that have signed the consti tion of the Organisation recognise th like security and peace, health is indi sible. They have, in fact, by approving definition of health as "a state of co plete physical, mental and social well-bei and not merely the absence of disease infirmity," shown a determination to app new, revolutionary methods to the soluti of the world's health problems. Previo international measures in the field of pu lic health were purely defensive in ki and limited in scope. They must be co sidered out-dated. If the prevalent scourg are to be eradicated they must be attack relentlessly but with patience, courage a imagination. The World Health Organis tion is prepared to meet that challeng Plans now being worked out will do mu to limit the ravages of disease.

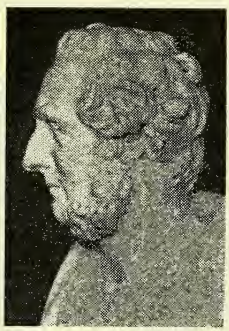


EBRATING ITS 150th ANNIVERSARY THIS YEAR IS A BUSINESS IN WHICH

THE TRADITION OF JOHN BELL LIVES ON

FTER his first day in business on his own account, John Bell was a despondent young man—so despondent in the evening he did not bother even ight the lamps in the pharmacy he had opened in Oxford Street, London. ile his takings amounted to only 10s., he lost 10s. 6d. in a muddle over change. t morning he told his uncle,who had n backing him, that he intended to sell at once before he became involved in t. That was in 1798. But for the enragement (financial as well as moral) eived by Bell t morning, a iness that is celebrating its th anniversary ht well have ed its doors r one day. Id, John Bell e the new ven- another trial. ercoming difficies, enduring dships, he went to lay the founions of what is ay John Bell, ls & Lucas, Ltd. ohn Bell carried on business in strict ordance with his Quaker principles. He d particular attention to the needs of his rer customers (for their benefit he overe his objections to counter prescribing), sometimes used to say he had "twelve omers for a shilling." He encouraged a n standard in those who worked for him. es of conduct (e.g. "to rise at seven and to bed at eleven, and to be all cleaned breakfast time, so as to have nothing to der going to business immediately afterds") and lists of duties for each member were laid down in writing in a series of "standing orders." They concluded with an admonition "to remember it is as much in the powers and duty of the employed as the employer, to study to make each other happy and to strive to do as we would be done by."

John Bell 1774-1849



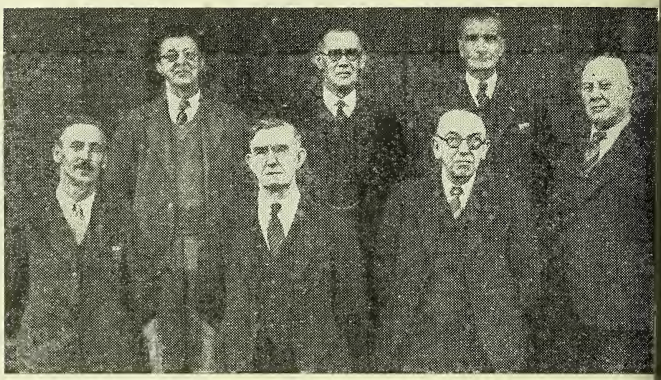
Jacob Bell 1810-1859

During his apprenticeship he had been made uneasy by the extent to which the adulteration of medicines was then practised. (His apprenticeship tasks had included pounding Glauber's salt for sale as nitre for horses and "russifying" rhubarb i.e. cutting and filing East Indian rhubarb to look like Turkish.) As soon as he had a business of his own he resolved that only drugs and medicines of the finest quality obtainable would be sold and dispensed in his shop, and behind the shop he established his own manufacturing laboratory to make himself independent of sources of supply that were not always above reproach. (The laboratory, originally an adjunct of the retail shop, grew considerably over the years and eventually vied in importance with the Oxford Street dispensing practice. The modern factory at Sydenham, illustrated above, is its counterpart today.)

From 1798 until the present company was incorporated in 1909, the firm had a succession of partners and proprietors. All earned their positions the hard way, beginning as apprentices or assistants. The history

of the company is firmly entwined with that of the Pharmaceutical Society, many of its members having served on the Society's Council and held its highest offices.

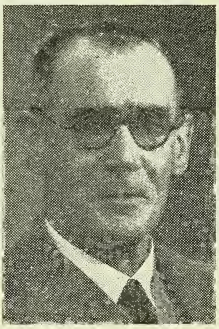
Perhaps the most famous was Jacob Bell, John Bell's elder son (born 1810), who began in the business as an apprentice, sharing all the daily chores of the other apprentices. In 1836 (the firm was then known as John Bell & Co.) he, with his younger brother Frederick John, was taken into partnership with the father. The story of his efforts, inside and outside Parliament, to help his fellow chemists, and of his part in the founding of the Pharmaceutical Society, is too well known to need retelling here. His fame in public life has tended to overshadow his work as a man of science and a skilled pharmacist. Besides actively promoting the welfare and the scientific interests of his colleagues in Oxford Street, he had a big share in the reorganisation and extension of the manufacturing laboratory.



Seven men from Oxford Street who are still active in the business. BACK R (left to right): Messrs. J. Dyke, J. Stuart Hills, F.R.I.C., Ph.C. (chairman managing director), A. C. Meddings and G. P. Denton. FRONT ROW: Me F. Hartridge, G. E. Dennison and H. J. Cowley, Ph.C. They represent betw them a total service of 330 years.

Soon after Jacob Bell became a partner, a young assistant, Thomas Hyde Hills, came to Oxford Street fresh from an apprenticeship in Brighton. He and young Bell were much of an age. They quickly became firm friends and shared many interests inside and outside the business. After some years in the front shop, Hills became superint dent of the laboratory. The first studen become an associate of the Pharmaceut Society, he qualified as a pharmaceut chemist in 1848. Upon Hills increasin fell responsibility for the management the business as Jacob Bell's outside act ties developed, and in 1852 (John Bell died three years earlier, and Frederick retired) Hills was taken into partnersh Since then (for nearly 100 years) there always been at le one Hills in business. Jacob in 1859 (how m he crammed i those forty - r years!) and Tho Hyde Hills beca sole proprietor. was elected to Society's Council 1860, and was president fr 1873 to 1876. der his direct the business con ued to thrive the Oxford St shop was again enlarged and re-equipped

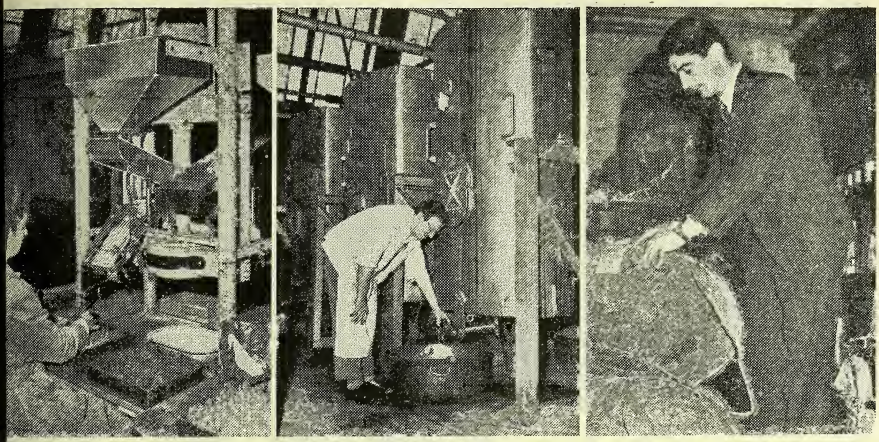
The late Mr. Walter Hills



Mr. J. Stuart Hills

Mr. W. Hyde Hills

Thomas Hyde Hills' nephew, Wa Hills, came to Oxford Street in 1871 a provincial and continental experience. his uncle's death, Walter became head the business (Samuel Gale, who had b superintendent of the laboratory, was two years the junior partner). Follow the tradition, Walter Hills became a me ber of the Council in 1881 and was pr



IMPSES OF THE SYDENHAM FACTORY. LEFT: Tablet packing. The machine delivers into the bottle exact number required. CENTRE: To meet National Health Service demands for liquorice and cascara racts, extra percolators have been ingeniously contrived from army-surplus water tanks. RIGHT: Mr. W. Hyde Hills examines a new consignment of orange peel.

nt from 1896 to 1899. When Samuel le died, Mr. E. W. Lucas, Ph.C., F.I.C., s appointed to take charge of the labora-y, and it was under his direction that wholesale side of the business grew idly. Early in the present century a ular wholesale connection was developed d galenicals from the laboratory were ng delivered by tricycle to many West d pharmacies.

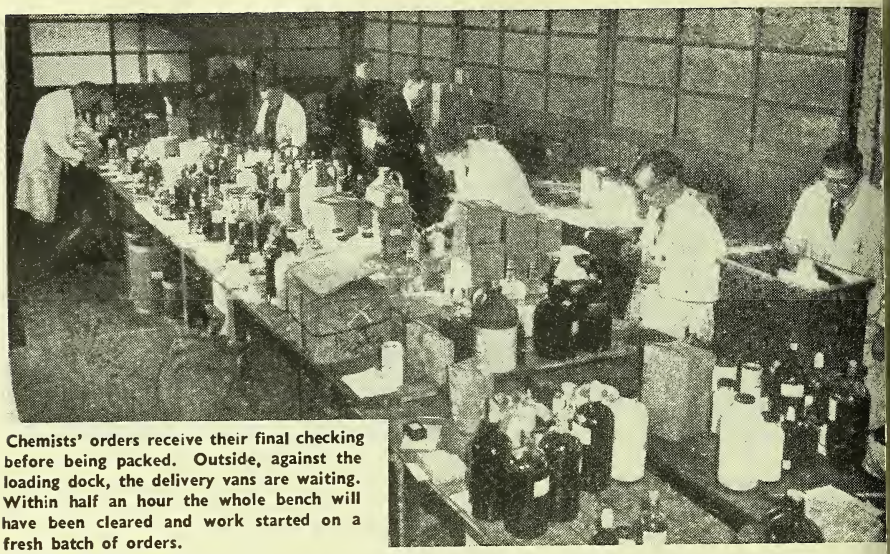
Mr. Walter Hills' son, James Stuart (the rd generation of Hills) came as an prentice to Oxford Street in 1897. (He is chairman and managing director of the esent company). He began his studies at Society's College in 1899, but left to see vice in the South African war, returning 1901 (with the King's Medal and three sps). He passed his "minor" that year his "major" in 1902. After further dies, first at King's College and then as alter's Research Fellow at "the Square," became an F.I.C. in 1905. In 1919 he s elected to serve as an auditor of the ciety and is today senior auditor.

In 1908 it was decided that the wholesale d manufacturing side of the business (by s time of considerable proportions) uld be separated from the retail, and the t year John Bell, Hills & Lucas, Ltd. re incorporated as wholesale druggists d manufacturing chemists. Mr. Walter lls was the first chairman, with Messrs. W. Lucas (who had then been a partner h Mr. Walter Hills for some years) and J. art Hills as joint managing directors. (The retail side of the business was continued as a separate concern, John Bell & Croyden, Wigmore Street, but some years later all connection between the companies was severed). After a few months the company moved to much larger premises in Tower Bridge Road (there is now a cinema on the site of the old pharmacy, but the shop-front is preserved in the Wellcome historical museum). Seven of the men who took part in the move from Oxford Street are still with the company (see illustration).

On the outbreak of war in 1914, Mr. J. Stuart Hills served first in the anti-aircraft defence of London and later with the R.N.V.R. In 1915, however, he was recalled by the War Office to Tower Bridge Road, where, on the initiative of Mr. Lucas, the company was engaged on the manufacture of anti-gas respirators.

War-time experience paved the way for new developments, particularly in the production of packed drugs and specialities. In post-war years growth was steady and continuous, and eventually the company outgrew its premises in Tower Bridge Road. On a freehold site at Lower Sydenham, conveniently adjacent to the railway, a modern factory was specially built and in 1938 the company made its second big move. (An illustrated account of the new factory appeared in the *C. & D.*, 1939.I.479).

Not long before the recent war, but in time to take part in the move to Sydenham, a fourth generation of the Hills family joined the business—Mr. W. Hyde Hills,



Chemists' orders receive their final checking before being packed. Outside, against the loading dock, the delivery vans are waiting. Within half an hour the whole bench will have been cleared and work started on a fresh batch of orders.

B.A., A.R.I.C. (son of Mr. J. Stuart Hills). Mr. W. H. Hills, who held a commission in the Royal Artillery (Territorials) before the war, saw war service in Tunisia and Sicily as a regimental officer, and in Italy and Greece as brigade major.

When he returned to the company after his war service (for which he received the M.B.E.) Mr. W. Hyde Hills was made a director. The present directors are as follows:—Mr. J. Stuart Hills is chairman and managing director. A vigorous sixty-nine, he is much in evidence at Sydenham, but manages also to find time for many other activities (notably photography, specialising in colour and stereoscopic work). He is also a trustee of the Association of British Pharmaceutical Industry. Mr. W. Hyde Hills is secretary of the company and in addition to acting as buyer is carrying out a scheme of reorganisation for speeding and simplifying the progress of orders through the building. (A fifth generation of the family is represented by Mr. W. Hyde Hills' infant son, aged nearly one year). Mr. H. B. Stevens, O.B.E., F.R.I.C., Ph.C. (now retired), who joined the company in Oxford Street days, was appointed to the board in 1922. He took an active part in the design and layout of the new factory. (Mr. L. H. Hensman, Ph.C., another Oxford Street man, who also became a director in 1922, died in 1944). Mr. H. J. Cowley, Ph.C., supervises the sales organisation (he was the company's senior representative when elected to the board in 1939), while Mr. W. Abbott, F.R.I.C. (after many years with t company he became a director in 193 supervises the manufacturing and analytic side of the business. The sixth director

Mr. J. Stuart Hills studies the inscription, "Jo Bell & Co., Oxford Street, 1819," on a met mortar weighing several cwt., that now adorns th hall of the company's factory at Sydenham.

r. G. P. Denton who besides being in arge of personnel, supervises the packed ods department and is responsible for ad- rtising. Another Oxford Street man, he ned the board in 1938.

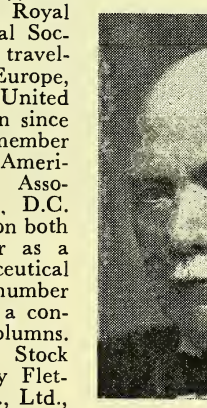
partmental Managers

As the directors of today have often been ruited from the managers of yesterday, record of the company's activities would complete without some mention of the esent departmental managers. Supervis- the manufacturing side is Mr. F. C. ve, B. Pharm., Ph.C., who joined the npany after service in the R.N.V.R. as ilot in the Air Branch of the Royal Navy the Mediterranean and the East Indies. e preparation of chemists' orders and the neral counter work is supervised by Mr. Irving, M.P.S. Transport and dispatch is handled by Mr. A. D. Marsh while in charge of the analytical control department is Mr. J. V. Mitchell, Ph.C.

In its 150 years the business has travelled a long road from its modest beginnings. Its range of products is far wider, its staff has grown from one to more than 200 (60 per cent. of them women: only one woman was employed at the Oxford Street shop) and the area it serves has extended from the West End of London to the corners of the earth. The key to the company's continued development lies in three discernible lines of policy: the ploughing back of profits into the business; the encouragement of members of the staff to fit themselves for more responsible positions; and adherence to John Bell's original determination of 150 years ago to supply only the best that can be made.

THE LATE MR. WILLIAM MAIR

E *C. & D.* announces with regret the th, at 32 Braid Hills Road, Edinburgh, December 1, of Mr. William Mair, .S.E., M.P.S., F.C.S., aged eighty. A member of the Pharmaceutical Society, H Chemical Society, and Fellow of the Royal ttish Geographical Soc- , Mr. Mair had travel- widely in Europe, nada and the United tes, and had been since 1 an honorary member election) of the Ameri- Pharmaceutical Asso- ion, Washington, D.C. was well known on both s of the Border as a ter on pharmaceutical jects, and on a number occasions he was a con- utor to these columns. "Spirit Rebate Stock k," published by Flet- r, Fletcher & Co., Ltd., nufacturing chemists, ndon, N.7, ran into several editions. "Index of New Remedies" 1941, was owed by second and third editions in 3 and 1945, and he was also author of ndigenous Drugs of India," and wrote ensively on pharmaceutical education practice in Germany and other coun- s. Mr. Mair made the first radiograph India shortly after Professor Röntgen overed *x*-rays. In 1938 he lectured "Carl Wilhelm Scheele, Apothecary Chemist." One of his hobbies was pharmaceutical antiques and the study of ancient pharmacies. He was also interested in the local history of his city, and one of his recent books was on "Historic Morningside: Lands, Mansions and Celebrities," which dealt with the district in which he resided.



In 1937 he presented to the City of Edinburgh a panoramic photograph taken by infra-red plates of the view to be had from the Braid Hills. During the war years (1940-45) he returned to retail dispensing and hospital practice. He was a member from time to time of the Scottish Executive of the Pharmaceutical Society. A widower, Mr. Mair is survived by a daughter and a son (Mr. F. Mair, M.D., St. Andrews).

Xrayser writes: "Mr. Mair combined in a high degree a typically Scottish tenacity of purpose with a modest approach to his subject. I shall always remember the friendly, almost deprecating, way in which, when a small Conference group was being taken through a university laboratory in 1934, he induced the official in charge of the exhibits to bring out of its case something not usually shown to such visitors. His "Index of New Remedies," compiled near the close of a long life, is a remarkable achievement."

CHEMICAL SUBSTANCES OF THE 1948 B.P.

A review by Professor W. H. Linnell, M.Sc., D.Sc., Ph.D., Ph.C., F.R.I

PROFESSOR W. H. LINNELL (School of Pharmacy, University of London) delivered on November 24 the fifth lecture in the series on the new Pharmacopœia arranged by the Pharmaceutical Society. He dealt with the official chemical substances.

The introduction during the war of the many Addenda, he said, served to anticipate many of the alterations to the B.P., 1932. When compared with the B.P., 1932, taken with its Addenda, the 1948 addition was not startlingly new. The inclusion in the Appendices of the pharmacopœia of standards and tests for materials used in the tests, was, however a notable innovation. The tests recognised any specific essential requirements. A.R. standards were often not essential and the B.P. reagents should be cheaper. "Organic spot tests" had also been introduced into the qualitative tests for metals. Al, Sb, Bi, Fe^{++}, Pb, Mg and Ag were covered and the tests chosen were reasonably specific. The idea had been applied conservatively and would probably be extended in the future.

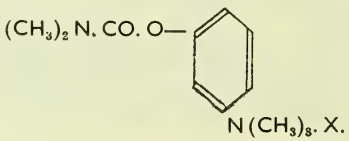
Inorganic Chemicals

The introduction of soda lime, for use with anæsthetic apparatus, should be welcomed, said the speaker. Size and hardness of the granules affect absorption power and the test given for them also precludes the small particles that are irritant when inhaled. The carbon dioxide absorption is the criterion of suitability, and the substance may contain an indicator to give warning when it is exhausted. An alteration in the standards for mercury oxycyanide recognises that the commercial substance varies in composition, and agrees with the material commercially available. The addition of 1 per cent. of dextrose retards oxidation of the mercury in mercury with chalk. Zinc peroxide, which is new, is a mixture of ZnO, $Zn(OH)_2$ and ZnO_2 containing not less than 45 per cent. of ZnO_2.

Organic Compounds

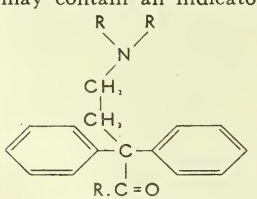
Four alkaloids are new: colchicine u in treatment of gout; papaverine hyc chloride for treatment of forms of excita ity of the involuntary muscles; and alkaloids of ergot. The acid malate, r official, is the most stable salt of ergo trine. A limit test for ergotoxine and er tamine is given. Ergotamine tartrate, tartrate of an alkaloid present only in tra in the official ergot, is included on acco of its use in treating migraine.

Neostigmine bromide and methyl sul ate are salts of the dimethylcarbamic e of 3-hydroxy-phenyltrimethylammoni

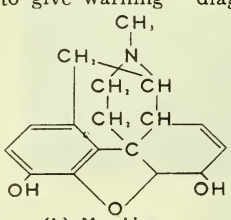


hydroxide and are cholinergic dr with an action resembling that of physos mine. The bromide is used by mouth relief of myasthenia gravis, whilst methylsulphate is injected for relief of p operative distension.

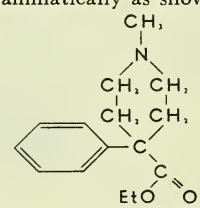
Pethidine (ethyl 1-methyl-4-phenyl-p eridine-4-carboxylate) possesses a morphi like action but stimulates rather t depresses the central nervous system. I used as an analgesic. Its connection w the morphine structure may be illustra diagrammatically as shown below (b, c)



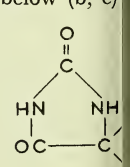
(a) Amidone type



(b) Morphine



(c) Pethidine



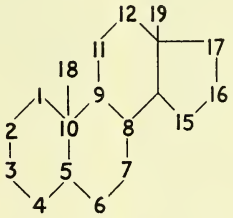
Diphenylhydan (see p. 7

Compare amidone (a), an analgesic wh had its genesis during the war in Germa

Anæsthetics

The addition of up to 0.002 per cent. a stabiliser (hydroquinone or propyl gall to anæsthetic ether (synonym ether) is n allowed. Vinyl ether and trichloroethyl are new. The former (inhaled for sh anæsthesia and as an induction anæsthe

tains 4 per cent. anhydrous ethyl alcohol h not less than 0.01 per cent. suitable biliser, phenyl-α-naphthylamine being ned. The compound is unstable and st not be used from a container that has n open more than forty-eight hours, and which the maximum capacity is limited 200 mils. Trichloroethylene is regarded as valuable anæsthetic with analgesic pro-ties for light anæsthesias and for anal-ia during painful dressings, etc. It de-nposes on exposure to light and air; mol (0.1 per cent.) may be added as a biliser. Of the new local anæsthetics, two e their genesis to the study of the cocaine lecule. Butacaine sulphate is the phate of the ester of ω-di-*n*-butylamino-pyl alcohol and *p*-aminobenzoic acid. more nearly approaches the amino-ohol fragment in cocaine, for the e number of carbons separate the ino and alcohol groups. It is a powerful al anæsthetic used mainly as a 2 per t. solution for surface anæsthesia for s, nose and throat. Amethocaine and caine contain one fewer carbon atoms ween the amino and alcoholic groups. Cinchocaine, the hydro-oride of the β-diethyl-inoethyl amide of 2-butyl-ycinchoninic acid, belongs another type. A stronger algesic than cocaine, it can used for surface, infiltra-n, and spinal anæsthesias. tylaminobenzoate, an ester *p*-aminobenzoic acid, is of benzocaine, orthocaine

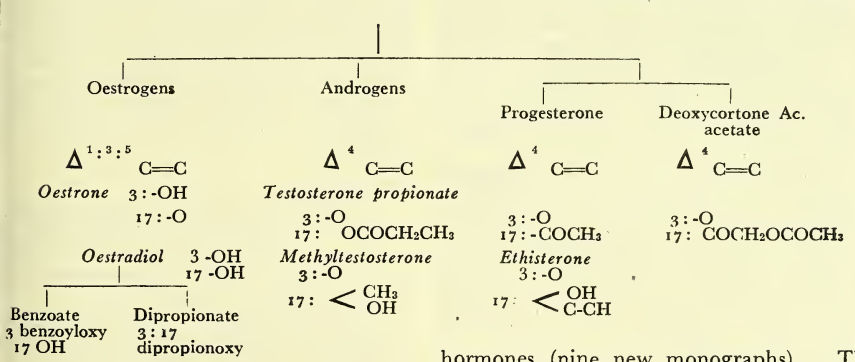


pe; it is used similarly for its local lative action as a dusting powder and lozenges, ointments, suppositories. The al anæsthetics have no doses.

No new monographs for the barbiturates are introduced, but the official compounds illustrate the variants. Barbitone, phenobarbitone and methylphenobarbitone are of the long-duration type; pentobarbitone is of shorter duration; hexobarbitone and thiopentone sodium of very short duration. Barbitone, phenobarbitone and pentobarbitone are derived from urea; methyl-phenobarbitone and hexobarbitone from methyl urea; and thiopentone from thiourea. The name methylphenobarbitone replaces "phemitone," to avoid confusion with phenytoin. Phenytoin sodium, a cyclic ureide derived from hydantoin, is mainly used for epilepsy. The number of carbon atoms in the side chains of the useful barbiturates is never less than four, or more than eight. The chematherapeutic ratio (therapeutic to toxic dose) — about 1:5, would probably be too narrow for introduction now.

Hormones

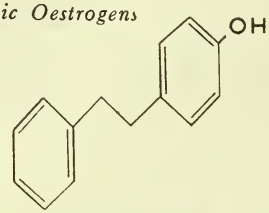
The most important change in the non-sex hormones is the deletion of thyroxine sodium. How far difficulty of synthesis has contributed to its neglect clinically is hard to say but recent experiments with radio-active tracers establish it as the hormone in circulation. Hence more may be heard of the compound—especially if it should become more easily available. The largest new group of substances is that of the sex hormones (nine new monographs). The close chemical relationships of these substances are illustrated in the diagrams above and on p. 774. That the sterols, the cardiac glycosides and the toad poisons possess similar skeletons arouses wonder at



the economy of nature in the use of the cyclopenteno-phenanthrene design.

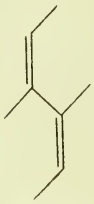
Oestrone is administered by mouth, by

Synthetic Oestrogens

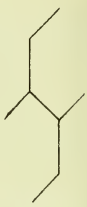


Skeleton form

Stilbœstrol



Dienœstrol



Hexœstrol

percutaneous application or by vaginal or rectal insertion. On reduction it yields λ-œstradiol from which are derived the two esters, which have substantially the same physiological action as œstrone but are administered almost exclusively by intramuscular injection.

Oestrogens and Androgens

The relationship of the synthetic œstrogens one to the other is shown above. Hexœstrol is less prone to cause nausea and vomiting than stilbœstrol. The androgens act as antagonists to the œstrogens. Testosterone propionate is inactive—though methyltestosterone is active—by mouth. A common practice is to give an initial injection of testosterone and maintain treatment with methyltestosterone given orally. A similar relationship exists between progesterone, the hormone of the corpus luteum (inactive) and ethisterone (active by mouth).

Deoxycortone acetate (Doca), a hormone from the suprarenal gland, is used in partial replacement therapy in Addison's disease. It is administered intramuscularly as an oily injection, or by implantation. The hormone is not entirely effective in itself and at times of crisis it is essential to administer corticosterone.

Two substances that inhibit the synthesis of the thyroid hormone are introduced: thiouracil and methylthiouracil, the latter being the least toxic. Used in hyperthyroidism, both reduce the metabolic rate. The only new arsenical is carbarsone (*p*-carbamidophenylarsonic acid) which contains about 28.5 per cent., and is used for intestinal amœbiasis.

Proflavine hemisulphate, the *p*H of a 4 per cent. solution of which in water is 6-8, replaces the previous proflavine. The hemisulphate is much nearer neutral. One of the synonyms is proflavine, and the salt must therefore be used when proflavine is prescribed. Aminacrine hydrochloride (aminoacridine) probably owes it favour being almost non-staining rather than any improvement in essential properties. was a matter of regret that 2:7-diamin acridine, a deeply coloured compound h proved to be difficult to make on a comm cial scale, as that compound probab possesses the best all-round propert among the acridine antiseptics.

The only new sulphonamide drug succinyl sulphathiazole, which is used f acute bacillary dysentery and other infe tions of the intestinal tract. The compou is stated to be less toxic than sulphaguan dine. Sulphapyridine and its sodium deriv tive have been deleted, owing to unpleasa side reactions.

Heparin contains the sodium salt of complex organic acid present in mamm lian lung and liver tissue. It is assayed bi logically against an international standa preparation, and is used by intravenous i jection in the prevention and treatment thrombosis, as it lowers the coagulability the blood. Dicoumarol (3:3′ methylen bis-4-hydroxycoumarin) is a synthetic sul stance capable of producing the same effec but its clinical action is delayed for at lea twenty-four hours. Heparin is therefo often given with the initial doses, and discontinued when the dicoumarol actio begins.

Discussion

In the discussion that followed Dr. I Michaels asked why dextrose had bee chosen as a stabiliser in mercury with chalk and whether other polyhydroxyl com pounds would be as effective.

Professor Linnell said that probabl any other polyhydroxide substance woul have the same antioxidant effect as dex trose, which had been chosen as being th least harmful. The relation between th *p*H of an injection and the pain on admin istration might well be the subject o further research.

CORRESPONDENCE

Whose Snapshots?

SIR,—We are wondering whether you can of service in tracing the owner of the closed photographs. They were in a re-rned empty carton, and not discovered til the carton was to be used again. We l sure the owner would be most pleased have the negatives and prints.

Yours faithfully,

Perivale, Middlesex. W. F. KING, *Director*, Pond's Extract Co., Ltd.

[The photographs (ten 2¼ in. x 3¼ in. gatives and prints) enclosed by Mr. King clude several showing the changing of the ard at Whitehall, and some snapshots of little girl wearing the uniform of a Girl uide.

ompetition from Ex-employees

SIR,—Your leading article "Competition m Ex-employees" (*C. & D.*, November , p.701) is, I am sure, one which the trade general will welcome, and which clears a point which, apparently, is often not ar to many employees and ex-employees, o seem to think that they are entitled to e away, when they leave, records of the n with which they have been working. is results, no doubt, from a belief that y are responsible for any success the firm s had, but it is high time such practices ased.

Yours faithfully,

London, S.W.1. W. FLETCHER.

Travellers' Calls

SIR,—Much has been said in recent nths about the "nuisance" of travellers and e "waste" of time taken in interviewing m. A few reflections from the travellers' int of view may not be amiss. First, then, ars of business experience have established at travellers are necessary (if anybody nts to interject "some," the qualification uld not be disputed). Secondly, all cognise the retailers' difficulties—in-eased dispensing, inability to get extra lp of the proper kind, multiplicity of new es, etc., etc. It seems to follow that a erant appreciation of the difficulties of th chemist and traveller is essential. I nk most fair-minded chemists will readily mit that the reputable and established aveller has been and is ready to accom-odate himself to circumstances and range his calls to suit his customers—trol allowing. It is not long since travel-s were greeted with "Why don't you come round oftener?" During the difficult supply times they did—as most chemists will admit—a good job in giving fair distribution. It seems rather early to forget those services. After many years on the road, I can say in all truth that the busy chemist who has built up a really good business has always found the time to interview travellers from reputable houses with friendly courtesy and without indulging in the off-hand treatment that has become prevalent of late. As I am "on the road" I cannot very well give my name for publication, but I enclose my card.

Yours faithfully,

REPRESENTATIVE

Plight of Employee Pharmacists

SIR,—Your report of a discussion at a meeting of the Harrow Branch of the Pharmaceutical Society (*C. & D.*, December 4, p. 742) raises issues that call for comment. Mr. Connelly's remarks on the Joint Industrial Council are interesting, seeing that he represents employee pharmacists on that body. But it has to be realised that the whole set-up of the J.I.C. was the effect of regarding the pharmacist as the keeper of a shop—professional aspects were submerged. In consequence, the Society is not represented on the J.I.C.; in status the pharmacist is put on a par with a grocer's manager or assistant; and rates of pay under the J.I.C. agreement are "farcical and lacking in reality." As one who has had access to the minutes of the Joint Committee, I cannot agree with the statement that "by torpedoing the Joint Committee the N.P.U. had placed the management of pharmaceutical affairs outside the hands of the pharmacist." The principal factors in the "disjointment" were, first, the strained atmosphere that developed between No. 17 and Queen Square, and secondly, a lack of perspective in the claim for parity with the proprietors put forward by an employee delegate. It became inevitable that N.P.U. delegates, visualising what lay ahead, should hold their emergency meeting: the rest is history. In my view, the call for a joint council of existing employee organisations is unrealistic, for trade-union members will remain subject to their union executive, while employee pharmacists outside the group will be required to embrace principles that may be contrary to their real views.

Yours faithfully,

East Barnet. G. H. ARMITAGE.

STOCK EXCHANGE PRICES

£1 unit unless otherwise stated	Oct. 29 1948	Nov. 30 1948
	s. d.	s. d.
Albright & Wilson, ord., 5s. ...	30 0	31 0
Allen & Hanburys, prefd. ord. 7% cum.	32 6	32 6
Amber Chemical, ord., 2s. ...	9 6	9 6
Amber Chemical, 5% cum. pref.	25 0	25 0
Ascotts Pharmacies, ord. stock, 5s.	9 7½	9 4½
Aspro, ord. stock, 5s.	35 0	27 0
Beecham Group, defd., 2s. 6d. ...	18 4½	18 4½
Beecham Maclean Holdings 4% red. cum. pref.	20 7½	21 3
Boake, Roberts, ord., 5s. ...	31 3	31 10½
Boots (Eastern) "A" pfd. 6% cum.	31 0	31 0
Boots (Northern) "A" pfd.6%cum.	31 0	31 0
Boots (Western) "A" pfd. ord. (7% non-cum.)	37 3	37 3
Boots Pure Drug, ord., 5s. ...	55 0	56 6
Borax Consold., defd. ord. stock	61 10½	63 1½
British Alkaloids, ord., 1s. ...	5 6	5 6
British Chemicals & Biologicals, 4% cum. red. pref.	22 0	22 0
British Drug Houses, ord., 5s. ...	9 6	9 6
British Emulsifiers, 2s.	1 0	1 0
British Glues & Chemic., ord., 4s.	20 0	20 3
British Industrial Plastics, ord., 2s.	7 0	7 0
British Optical & Prec. Eng., 5%	96%	96%
British Oxygen Co., ord. stock ...	99 4½	105 0
British Xylonite Co., ord. stock	105 0	105 0
Burt, Boulton & Haywood, ord.	26 3	28 9
Bush (W. J.), & Co., ord. ...	82 6	82 6
Camwal, ord.	21 3	21 3
Cooper, McD. & Robertson, ord.	36 3	36 3
Cow, (P.B.) & Co., ord. stock, 4s.	16 4½	14 10½
Cow & Gate, ord. stock, 1s. ...	2 8¼	2 9¾
Crosfield, J., & Sons, 5% cum. pre-pref.	26 3	26 3
Cussons Sons & Co., ord stock, 2s.	18 3	18 1½
Dale (John), ord., 5s.	—	13 6
Distillers, ord. stock, 4s.	28 4½	29 10½
Dubarry Perfumery Co., ord., 1s.	4 7½	4 7½
Dunlop Rubber Co., ord. stock ...	74 3	76 0
Energen Foods Co., ord., 2s. ...	8 0	9 3
Eno Proprietaries, 5½% cum. pref.	26 3	26 3
Eucryl, stock, 2s.	4 9	4 9
Evans Medical Supplies, ord. stock	40 0	40 0
Field, J. C. & J., ord., 10s. ...	28 9	28 9
Fisons, ord. stock	59 0	59 0
Fisons, 4½% cum. pref.	24 0	24 0
Galloway, P. H., ord., 2s. ...	4 6	4 9
Gillette Safety Razor Co. shares (no par value)	$56.00	$52.00
Glaxo Laboratories, ord. stock, 10s.	370 0	390 0
Glaxo Laboratories, 8% cum. prefd. ord. stock, 10s.	20 3¾	20 2¼
Gossage, W., & Sons, 5% 1st. cum. pref.	26 3	33 9
Greeff-Chemicals Holdgs., ord., 5s.	14 0	14 6
Griffiths Hughes Proprietaries, ord.	30 0	28 9
Guiterman, S., ord. stock, 2s. ...	2 6	2 6
Hampshire, F. W., stock, 5s. ...	80 0	80 0
Horlicks, stock, 5s.	30 7½	31 3
Hovenden, R., & Sons, 7% cum. "A" pref.	26 3	26 3

£1 unit unless otherwise stated	Oct. 29 1948	Nov. 194
	s. d.	s.
Idris, "A" ord.	38 9	38
Ilford, ord. stock, 5s.	27 6	27
Imperical Chemical Industries, ord.	47 6	49
Imperial Chemical Industries, ord. cum. pref. stock	38 6	38
International Sponge Importers, ord. stock, 5s.	5 3	5
Kent, G. B., & Sons, 5% cum. ptpg. pref., 12s. 6d.	15 7½	15
Kershaw, A., & Sons, ord., 1s. ...	1 4½	1
Kleeman, O. & M., ord. stock, 1s.	23 3	22
Laporte Chemicals, ord. stock ...	20 7½	21
Lever Brothers & Unilever, ord.	50 0	51
Lewis & Burrows, ord. stock ...	30 0	30
Lewis & Peat, ord., 1s.	2 7½	1
Liebig's Extract of Meat, ord., £5	330 0	330
Macleans, 4% red. cum. pref. ...	20 0	20
Mellin's Food, 6% cum. pref. ...	7 6	7
Metal Box Co., ord. stock ...	100 0	103
Milton Antiseptic, ord., 10s. ...	25 0	25
Mono Containers, 5s.	15 0	16
Monsanto Chemicals, ord., 5s. ...	60 0	62
Pears, A. & F., 5% deb. stock, irred.	130%	130%
Potter & Clarke, ord., 1s. ...	4 3	4
Reckitt & Sons, ord. stock ...	106 10½	112
Rolls Razor, prefd. ord., 10s. ...	25 0	23
Sangers, ord. stock, 5s.	31 6	34
"Sanitas" Trust, ord., 10s. ...	25 0	26
Savory & Moore, 5½% 1st red. cum. pref. stock	23 5¼	23
Sherley, A. F., & Co., 8% cum. prefd. ord.	22 6	22
Smith & Nephew Associated Cos., ord., 4s.	18 6	19
South African Druggists, ord., 5s.	23 0	24
Southalls (Birmingham), stock, 5s.	40 0	41
Sternol, 8% cum. ptpg. prefd. ord., 10s.	15 7½	15
Stevenson & Howell, ord. stock, 5s.	25 0	25
Taylors, Cash Chemists, London, 6% cum. pref.	29 4½	29
Taylors, Cash Chemists, Trust, 6% cum. pref.	29 4½	29
Taylor's Drug Co., 7% "A" cum. pref.	33 1½	33
United Glass Bottle, ord. stock ...	73 9	78
Veno Drug Co., 12% cum. prefd. ord.	40 7½	40
Virol, ord.	72 6	72
Viscose Development Co., ord. stock, 5s.	10 6	10 6
Vitamins, 1s.	4 0	4 7
Wesley, Harold, 5s.	15 0	16 3
Whites (Timothy) & Taylors, ord., 5s.	38 9	39 4
Whites (Timothy) & Taylors, 7½% cum. pref.	37 6	37 6
Wright, Layman & Umney, 7% cum pref.	31 3	31 3
Yardley & Co., ord., 4s.	57 6	57 6
Yardley & Co., "A" ord., 4s. ...	57 6	57 6

TRADE REPORT

ot quotations for pharmaceutical chemicals represent the prices for wholesale quanti-s of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

Essex Street, W.C.2, Dec. 8

SINESS in PHARMACEUTICAL and FINE EMICALS continues on a moderate scale h no appreciable changes in price dur- the past week. There has been a fair uiry for synthetic CAMPHOR. The ectorate of Medical Supplies is not for time being recommending the issue nces for the importation of camphor m any source.

The lull in activity which characterises approach of the end of the year has n apparent in some sections of the mar-s for BOTANICAL DRUGS. There has n, however, a brisk inquiry for IPE-UANHA and spot quotations are now in region of 23s. 6d. per lb. A good ship-nt business is being done but it is under-d that there are few first-hand offers Nicaraguan or Costa Rica root from gin. GENTIAN is firmer on spot with lacement prices higher. There has been fair activity in Anatolian LIQUORICE T and spot supplies are not plentiful. rentine ORRIS is an easier market. UBARB continues firm with a moderate t trade in common round at 4s. 6d. per SENEGA remains a weak market with t prices at 8s. 6d. per lb. The GUM l WAX markets have been quiet with ces at former levels. In SPICES, naican GINGER on spot is firm with No. quoted at 132s. 6d. per cwt. Higher ces are asked for African CAPSICUMS l Zanzibar CLOVES are fractionally rer.

Rather more activity has occurred dur- the last few days in ESSENTIAL OILS rkets, principally in perfumery oils. lon and Java CITRONELLA OILS are er, with few spot offers of the latter. MONGRASS is also dearer with a fair spot iness done during the past week at 7s. lb. Trade in medicinal oils has con-ued quiet. EUCALYPTUS is an easy mar-. Supplies of English-distilled CAR-IOM, CORIANDER and PEPPER oils are rt owing to difficulties in obtaining materials.

Prices of OLIVE OIL are unchanged. It understood, however, that allocations n the Olive Oil Importers' Association e been considerably reduced. In many ducing countries the olive crop returns the current season have been disap-nting. The Importers' Association has nounced that the management committee l be resuming weekly meetings com-ncing December 15 to consider offers of e oil for importation into the United gdom from France, the French Colonies, nisia, Turkey and Greece. Offers uld be submitted to the Association at Fenchurch Street, London, E.C.3.

U.S. Drug and Chemical Report

New York, December 3

A FURTHER reduction in ALCOHOL prices occurred last week. Alcohol is now in abundant supply and has fallen a total of 21 cents per gall., and the general opinion is that the decline will go still further. The natural ester SOLVENTS and other derivatives of ethyl alcohol have followed the price changes in alcohol and are now said to have reached a point where they are competitive with synthetically produced materials. Reflecting the increased domestic supply no fixed fourth quarter export quotas for GLYCERIN will be established.

The U.S. Office of International Trade has placed GINSENG and PODOPHYLLUM roots together with many unspecified crude drugs, herbs, leaves and roots on the list of goods which may be exported from the country without an export licence. The exceptions to the new ruling are BELLADONNA leaves and root; COCA leaves; ERGOT; DIGITALIS leaves and seeds; NUX VOMICA; flowering STRAMONIUM tops and dried root; and PYRETHRUM root. It was stated that the additions to the free list were "currently in free supply and export shipment of these goods to any destination will not interfere with the furtherance of U.S. foreign policy." The market has been extremely inactive with replacement purchasing almost non-existent.

Activity on the ESSENTIAL OILS market has seasonally declined, though it is pointed out that little business has been reported on the market for several weeks. Few developments were reported from primary sources, European oils remaining dull and Far Eastern products becoming slightly firmer.

Pharmaceutical Chemicals

ACETANILIDE.—Steady. Quotations for 1-cwt. lots in kegs are at 2s. 3d. per lb. for crystals and 2s. 4d. for powder.

AMMONIUM CHLORIDE, B.P. — Steady. Makers quote 1-cwt. lots at 9½d. per lb.

ASPIRIN. — Home-trade prices are unchanged. Makers' quotation for POWDER is 3s. 5½d. per lb. in 10-cwt. lots and 3s. 7d. per lb. in 1-cwt. lots. Scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. are: 4s. 6d. (1-lb. containers); 4s. 5d. (2-lb.); 4s. 4½d. (4-lb.); 4s. 3½d. (7-lb.); 4s. 3d. (14-lb.); 4s. 2d. (28-lb.). Net one month. Rates per 1,000 for bulk supplies of TABLETS are: Under 5,000, 3s. 9d.; 5,000 and over, 3s. 7d.; 10,000, 3s. 6d.; 25,000, 3s. 4d.; 50,000, 3s. 3d.; 100,000, 3s 2d.; 250,000, 3s. 1½d.; 500,000, 3s. 1d.; 1,000,000, 3s.

ATROPINE.—Steady. Makers' rates per oz. are: ALKALOID, 41s. 3d.; 4 oz., 40s. 9d.; 25 oz., 40s. 3d. SULPHATE, 32s. 9d.; 4 oz., 32s. 3d.; 25 oz., 31s. 9d.

BORAX.—Makers' current prices are: B.P. quality, granulated, £38 per ton; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain in 1-ton lots and upwards. Terms quoted do not apply to Northern Ireland.

BROMIDES.—Steady. Current resellers' rates per lb. for POTASSIUM in quantities of 28 lb. to 1 cwt. (containers in brackets) are as follows: 3s. 5½d. (1-lb.), 3s. 4½d. (2-lb.), 3s. 4d. (4-lb.), 3s. 3d. (7-lb.), 3s. 2½d. (14-lb.), 3s. 1½d. (28-lb.). In bulk, makers quote 1 cwt. at 2s. 7d. per lb. and 5 cwt. at 2s. 6d. Powder is 2d. per lb. extra. SODIUM is 1½d. per lb. less than above rates; AMMONIUM is ½d. per lb. more than above rates. Terms are net; carriage paid on 1-cwt. lots in U.K.

BUTYL CHLORAL HYDRATE. — Current prices are from 17s. 6d. per lb. upwards.

DIGITALIN, B.P.C.—Current quotations are from 9s. to 11s. 6d. per gm.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gm. in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d. 16 oz., 87s. 6d. (4s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2 l.).

HYDROCYANIC ACID.—B.P.C. (Scheele's) is quoted at 1s. 5½d. per lb. and B.P. at 1s. 1½d. per lb.

HYOSCINE HYDROBROMIDE. — Makers' prices are from 115s. to 125s. per oz., according to quantity.

HYPOPHOSPHITES.—Makers' rates per lb. for 7-lb. lots are: AMMONIUM, 9s. 3d.; BARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON, 9s. 4d.; MAGNESIUM, 7s. 9d.; MANGANESE, 8s 5d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d.

HYPOPHOSPHOROUS ACID.—In winchesters prices are around 6s. 2d. per lb.

METHYL SALICYLATE.—Current rates are as follows: Winchester quarts, 2s. 2½d. per lb.; 56 lb., in demijohns, 2s. 1d.; 1 cwt., in demijohns or carboys, 2s. 0½d.; 5 cwt., 2s. All prices are net.

PHELLANDRENE.—The refined product is quoted at 1s. 5d. per lb. in carboys, and from 1s. 6½d. to 2s. 1d. per lb. in winchesters.

SALOL, B.P.C.—Current quotations for quantities of 28 lb. to 1 cwt. are from 9s. to 9s. 4d. per lb., according to pack. Prices for larger quantities are around 7s. 6d. to 8s. per lb.

SULPHONAL.—Quoted from 44s. to 53s. per lb., as to quantity.

TEREBENE.—An easier market. Quotations from makers for pharmaceutical quality (B.P. 1932) are 3s. 2d. per lb. in carboys, and from 3s. 3½d. to 4s. 2d. per lb. in winchesters.

Crude Drugs

ACONITE.—Indian, on the spot is quo at 275s. per cwt.; *Napellus*, offered 3s. 10½d. to 4s. 3d., duty paid.

AGAR.—Japanese strip is offered at f 14s. 6d. to 17s. per lb., duty paid, acc ing to quality and holder; forward, 14s 15s., c.i.f. South African powder, in in cases, quoted at 20s. per lb., spot.

ALOES.—Steady. Cape on the spo offered at from 110s. to 115s. for pr quality. Curaçao in boxes, 200s. to 2 per cwt., as to quality. Socotrine, 160s 180s. per cwt., spot.

ARECA NUTS.—Ceylon is quoted at per cwt., spot London. Firmer at ori

CAMPHOR.—Chinese tablets are offere from 7s. 6d. to 8s. 6d.; refined pow (B.P.), 7s.; B.B. grade, 6s. 6d.; sl (2½-lb.), 7s. 3d.; crude powder, 6s. per all spot London, duty paid.

CASCARA SAGRADA.—Quiet. 1946 1947 peel are offering at upwards fi 200s. per cwt. Current crop on spot quoted at about 195s., duty paid.

CHILLIES.—Mombasa on spot, 110s. cwt.; forward firm at 105s., c.i.f. Nigeri spot, 95s. per cwt.; Japanese-type, 160s

CLOVES.—Zanzibar, spot, quoted at 10 per lb.; shipment, 11d. c.i.f. Madagasc spot, 9d., duty paid; shipment, 7½d., c. Penang, spot, 2s. 9d. to 3s. per lb.

EPHEDRA.—Herb is offered at arou 62s. 6d. to 67s. 6d. per cwt., ex wharf.

ERGOT.—Offered on the spot at 5s. per lb.; forward, 5s. 3d., c.i.f.

GINGER.—African on spot is quoted 87s. 6d. per cwt. Jamaican No. 1 quo at 132s. 6d.; No. 2, 127s. 6d.; No. 3 at 122s. 6d. per cwt., spot.

IPECACUANHA.—Very firm. Spot quo tions are now at 23s. 6d. per lb. No fir hand offers from origin.

LEPTANDRA ROOT.—Spot supplies offering at 3s. 3d. per lb.

LIQUORICE.—Anatolian natural, sp from 47s. to 50s. per cwt., as to holde Syrian, 40s.; Russian, 45s. 6d. to 4 Italian block, 275s. per cwt., spot; Itali stick, from £375 to £560 per ton, as quantity and grade. Turkish block, fro 225s. to 235s. per cwt.; American blo from 220s. to 225s.

MACE.—West Indian blade on the sp is quoted at 6s. 9d.; pickings, 4s. 6d. to per lb., according to quality.

MENTHOL.—Steady. Brazil on spot offered at about 45s. 6d. per lb., duty pai in bond, 43s. Chinese is offering at 65 per lb., spot.

MYRRH.—Steady. Aden sorts, £12 p cwt.; siftings, £6 10s. to £7 per cwt., spo

NUTMEG.—Steady. West Indian 80's, the spot, 3s.; sound unassorted, 2s. 10d wormy and broken, 1s 8d. per lb.

NUX VOMICA.—Quiet. Madras, spot, eady at 40s. to 42s. 6d. per cwt.; Manlore, 40s.; Cochin, 42s. 6d., spot.

OLIBANUM.—Steady. Fair drop is offered 150s., peas at 190s., fair garblings, 125s., d siftings at 80s. per cwt., spot.

ORANGE PEEL.—Spanish quarters, 1s. 2d. 1s. 5d., spot; sweet ribbon, 1s. 9d. ville bitter ribbon, 1s. 1d.; thin-cut ipoli, 1s. 2d. per lb.

ORRIS.—Florentine root on the spot is w offered at 150s. per cwt.; Verona root, 0s. to 120s. per cwt., spot.

PAPAIN.—East African No. 1 white on e spot is offering at about 19s. per lb. d Ceylon at 16s. per lb.

PARAFFIN WAX.—Makers' prices of wax d scale have been reduced by about £4 10s. r ton, as from December 1.

PIMENTO.—Quotations are from 1s. 2½d. 1s. 3d. per lb., spot; to arrive, 119s. per t., c.i.f.

RHUBARB.—Chinese rough round on spot firm at from 4s. 6d. to 5s. per lb.; oat, about 4s., c.i.f.; firm origin, 3s. 10d., .f.; wormy 2s. 6d. to 3s., spot.

SANDARAC. — Spot quotations are at 9d. per lb.; afloat, 5s. 6d., c.i.f.

SARSAPARILLA.—Jamaican native red on ot is steady at from 1s. 10½d. to 2s. 1d. r lb., as to seller. A parcel of grey is oted at 4s. 3d. per lb., spot.

SEEDS.—ANISE.—Cyprus, 1s. 5½d. per , and Turkish, 1s. 4d. per lb., duty paid, ot London. CARAWAY.—Dutch remains m at 120s. per cwt., duty paid, spot ndon. CELERY.—Indian is quiet and changed at 1s. 2d. per lb., spot London Liverpool. CORIANDER. — Argentine, oted at 40s. per cent., duty paid, ex arf London or Liverpool; Morocco is o quoted at 40s. per cwt., duty paid, ot London. CUMIN.—Indian, 185s. per t., spot Liverpool; Cyprus, 190s. per t., ex wharf London. DILL.—Indian, ot London or Liverpool, is 47s. 6d. per t. FENNEL.—Indian in Liverpool is ered at 70s. per cwt., and 71s. per cwt., ot London. FENUGREEK.—Indian, 54s. r cwt., spot London, and 53s. 6d. ex re Liverpool; Morocco is 55s. per cwt., ty paid, spot London or Liverpool.

SENEGA.—No appreciable inquiry. Spot otations are at about 8s. 6d. per lb.; ward, 8s. 6d. to 8s. 9d. per lb., c.i.f.

SHELLAC.—Steady. Spot quotations, ex ndon warehouse, are: F.O.T.N. pure, 5s.; F.O. Standard 1, 342s. 6d.; fine ange, 350s. to 390s. per cwt.

TURMERIC.—Firm. Madras finger on spot maintained at 117s. 6d. per cwt.

UVÆ URSI.—Spot quotations, ex wharf ndon, are around 80s. per cwt.

VALERIAN.—Belgian root on spot is ered at about 130s. per cwt.; cut, 165s. r cwt.

Essential and Expressed Oils

CAR—Spanish oil on spot is offered at from 3s. 6d. to 4s. per lb., as to quantity; French is quoted at about 2s. 9d. per lb. spot.

CITRONELLA.—Ceylon is firm at from 3s. 9½d., to 4s 2d. per lb., spot; forward, 3s. 9½d., c.i.f. Java on spot is firm at about 8s. per lb.; December-January shipment from origin is quoted at 6s. 6d., c.i.f.

CORIANDER.—Firm. English-distilled is quoted at about 280s. to 290s. per lb.

EUCALYPTUS.—Spot quotations for 70-75 per cent. (B.P.) are from 3s. 1d. to 3s. 3d. per lb. for drums, and up to 4s. for smaller quantities; shipment, 3s., c.i.f.

LEMONGRASS.—Firm. Spot offers are few with prices at around 7s. 1½d. per lb.; shipment, December-January, 7s. 1½d. per lb. c.i.f.

OLIVE.—Supplies of oil from members of the Importers' Association are made at the rate of 26s. 2d. per gall. of 9 lb., ex store, drums included. Additional charges are added for small quantities, according to costs of breaking bulk, containers, delivery, etc. Prices are unchanged (see p. 777).

PALMAROSA.—Nominal on spot at 34s. per lb.; shipment, new-crop, 28s. 6d., c.i.f.

ROSEMARY.—Spanish is offered at 7s. to 9s. per lb., as to quantity and quality.

THYME. — Red oil (40-42 per cent. phenols), 12s. 6d. to 15s. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

VETIVERT.—Bourbon on spot is quoted at from 65s. to 85s. per lb., as to grade.

Synthetics and Isolates

QUOTATIONS are per lb. and vary according to grade, quantity and seller.

ACETOPHENONE.—10s. 6d. AMYL ACETATE.—2s. 9d. AMYL BENZOATE.—5s. 3d. to 6s. AMYL BUTYRATE.—5s. 6d. to 6s. 6d. AMYL CINNAMIC ALDEHYDE.—13s. 6d. to 17s. 6d. AMYL PHENYLACETATE.—Firmer, 9s. 3d. to 10s. 6d. AMYL SALICYLATE.—3s. 8d. to 4s. 6d. ANETHOLE.—11s. 6d. to 12s. 6d. ANISIC ALCOHOL.—Around 67s. 6d. ANISIC ALDEHYDE.—Ex paracresol, 21s. to 22s.; perfumery grade, 24s.; ex anethole, 27s. 6d.

BENZALDEHYDE.—B.P.C., 4s. to 5s. BENZOPHENONE.—10s. to 14s. 6d. BENZYL ACETATE.—3s. to 4s. BENZYL ALCOHOL.—Perfumers', 3s. to 4s. BENZYL BENZOATE.—Perfumers', 4s. 9d. to 5s. 9d. BENZYL CINNAMATE.—12s. 6d. BENZYL ISOEUGENOL.—30s. to 35s. BENZYL PROPIONATE.—Easier, 5s. 6d. to 6s. 6d. BENZYL SALICYLATE.—7s. 6d. to 8s. 6d. BENZYL SUCCINATE.—Easier, 13s. to 14s. BENZYLIDENE ACETONE.—15s. to 17s. BORNEOL.—Easier, 6s. to 8s. 6d. BORNYL ACETATE.—7s. 6d. to 9s. 6d. BROMSTYROL.—32s. 6d. to 34s. BUTYRIC ACID.—5s. to 6s. 6d.

CINNAMIC ALCOHOL.—17s. 6d. to 18s. 6d. CINNAMIC ALDEHYDE.—6s. 6d. to 7s. 6d. CINNAMYL ACETATE.—22s. 6d. CINNAMYL BUTYRATE.—27s. 6d. CITRAL.—15s. to 30s. CITRONELLAL.—27s. 6d.. CITRONELLOL.—Ex Ceylon, 25s. to 27s. 6d.; ex Java, 25s. to 30s. COUMARIN.—19s. to 20s.

TRADE MARKS

(*From the "Trade Marks Journal," November* 17)

"TIM"; by B. C. Tipper & Son, Ltd., Birmingham; 653,272. "VENTRALKIA"; by Albert Forster, Seaham; B661,216. "VITAZONE"; by Biddle, Sawyer & Co., Ltd., London, W.1; 662,783. "COLLOTONE"; by the Crookes Laboratories, Ltd., London, N.W.10; 662,845. "CAPPINA" and "ALAMOX"; by Bayer Products, Ltd., London, W.C.2; 663,614 and 664,933. "STEPROSAL"; by Sovaseptics, Stanmore; 664,517. "JUVENSAN"; by J. P. M. Pharmaceuticals Pty., Ltd., Sydney, Australia; 664,722. "RIVAL"; by Gaines Animal Foods, Ltd., London, W.C.2; 665,482. "IMPROTHAL" and "KEMITHENE"; by Imperial Chemical (Pharmaceuticals), Ltd., Slough; 666,041-42. For pharmaceutical preparations, etc. (5).

"ARMO-NŒSTROL"; by Armour & Co., Ltd., London, E.C.2; 660,243. For pharmaceutical preparations of dienœstrol (5).

"PICKLES MEDISALT" on label design; by J. Pickles & Sons, Bradford; B661,973. For medicated bath salts for the feet (5).

"HIBERNOC"; by Pan Britannica Industries, Ltd., Waltham Abbey; 665,544. For insecticides and fungicides (5).

"BATHANOL"; by Aranol, Ltd., Welwyn Garden City; 665,586. For deodorising preparations and substances (5).

"AJULAX"; by Duncan, Flockhart & Co., London, E.C.1; 665,591. For laxative preparations (5).

"WAVELINE"; by North's Rubber Co., Ltd., Mitcham; 665,370. For bathing caps (25).

"LEEDO-PURETEX"; by Selka, Ltd., London, W.1; 673,498. For all goods (10).

"CAPTIS"; by Kittybrewster (Paper), Ltd., Aberdeen; 663,775. For non-medicated toilet paper (16).

"VICTOR BRAND"; in circular design including mounted crusader; by Sanderson's Food Products, Brentford; 657,176. For Epsom and Glauber's salts, and bicarbonate of soda, all for pharmaceutical purposes (5).

"MILONORM"; by Wallace (Pharmaceutical Products), Ltd., London, N.W.3; 661,257. For sedatives and hypnotics; and pharmaceutical preparations for treating cardiac ailments (5).

"PENETROL"; by W. B. Cartwright, Ltd., Rawdon; 661,488. For inhalants, medicated tablets, etc., and for medicated wadding (5).

"APIL"; by Insecticide Activated Products, Ltd., London, E.C.3; 663,656. "INSECTOSLIP"; by Slip Products, Co., Ltd., London, S.W.20; 666,039. For insecticides (5).

"KELDON"; by Optrex, Ltd., Greenford; 663,968. For all goods, excluding sanitary clothing, infants' and invalids' foods, or medicated confectionery (5).

"O-JAO"; by Ozonol Laboratories (1930), Ltd., London, N.1; B664,053. For pharmaceutical preparations, sanitary substances, disinfectants, insect-repelling preparations and preparations for killing weeds and vermin (5).

"EPICILLIN"; by William R. Warner & Co., Ltd., London, W.4; 664,453. For penicillin; and pharmaceutical preparations of or containi penicillin (5).

"MEFIZAN"; by Bayer Products, Ltd., Londo W.C.2; 664,931. "MEFITOL"; by The Brit Drug Houses, Ltd., London, N.1; 665,0 "CALFLUR" and "PLASTULAS"; by Jo Wyeth & Brother, Ltd., London, N.16; 665,3 and 666,099. "NEO-EPININE"; by the We come Foundation, Ltd., London, N.W 665,574. "PROLIFOL" and "FOLYBDEN"; Allen & Hanburys, Ltd., London, E.2; 665,6 and 665,681. "YASMADEX"; by Spasmoly Pharmacals, Ltd., London, W.C.2; 666,306. F all goods (5).

"OPEN HOUSE"; by Clifford Vernon Ryan, Lo don, W.1; 666,063-64. For all goods (3) a (5).

"DUMAROL"; by Ward, Blenkinsop & Co., Lt London, W.1; 666,098. For all goods, excludi medicated wines (5).

"FANFARE"; by Haircraft Products, Ltd., Lo don, E.C.2; 666,568. For hair-waving app ances (not being machines or pins) (8).

"MINIPAK"; by Allen & Hanburys, Ltd., Lo don, E.2; B660,795. For hearing aids and pa thereof (10).

"UVITA"; by Tellux, Ltd., London, W. 661,200. For electromedical apparatus (10).

"MOTACIL"; by Hodgson, Smith & Co., Hem stead, Herts; 664,612. For brushes (21).

(*From the "Trade Marks Journal," November* 2

"SOLIUM"; by Lever Brothers, Port Sunlight, Lt Cheshire; 664,980-81. For industrial chemic excluding water-softening preparations or phot graphic materials (1); for detergents and so (3).

"SUPREME" on label device (word "Supreme disclaimed); by Brillo Manufacturing Co. Great Britain, Ltd., London, N.W.10; 648,4 For detergents and soap (3).

"REXONA"; by D. & W. Gibbs, Ltd., Londo E.C.4; 656,183. "CASOPE"; by the Sca borough Castle Fire Lighters, Ltd., Bradfor 664,564. "SANISUD"; by Citrus Products Co Ltd., Wembley; 666,010. "CAMAY"; Thomas Hedley & Co., Ltd., Newcastle-on-Tyn 666,093. For Soap (3).

"COUNTRY GARDEN"; by Palmers, Ltd., Montrea 657,344. For lipsticks, rouge, mascara and na polish (3).

"SKIN DEEP" (words "Skin" and "Deep" use separately disclaimed); by J. & E. Atkinso Ltd., London, W.1; B659,022. "OVATION" by Jean Desses, Paris; 661,419. "BETONA" by H. C. Beeton & Co., London, E.C. 665,129. For non-medicated toilet preparatio (3).

"ANTIGEN LABORATORIES" on label device inclu ing a microscope; by Antigen Laboratories, Ltd London, W.1; 650,080. "ALAMAG"; by Baye Products, Ltd., London, W.C.2; 664,93 "RINGTON"; by Hill-Smith (Warrington), Ltd Warrington; 665,517. "SANDISUD"; by Citr Products Co., Ltd., Wembley; 666,01 "BRADONIT"; by Ciba, Ltd., Basle; 666,72 For pharmaceutical preparations (5).

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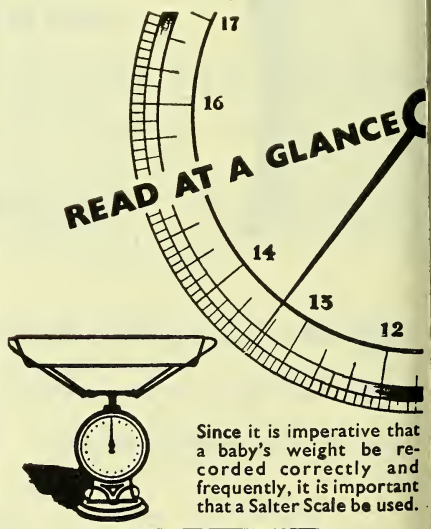

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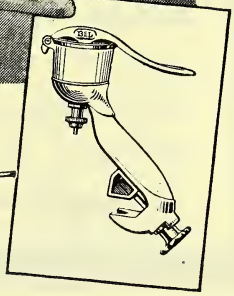

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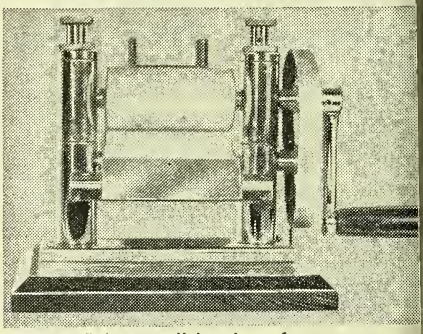

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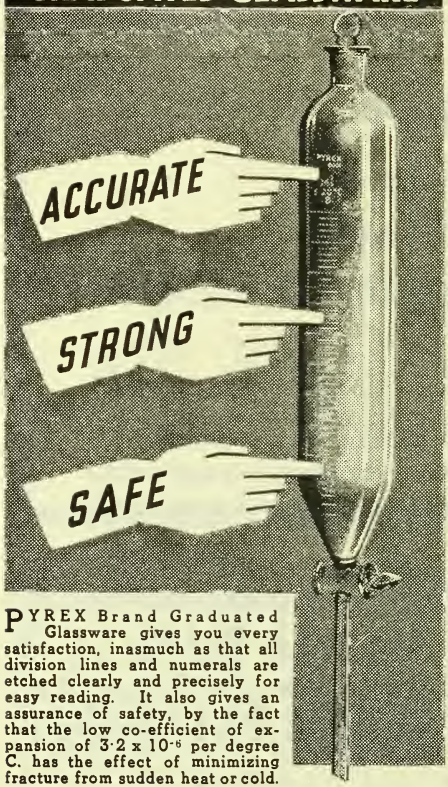

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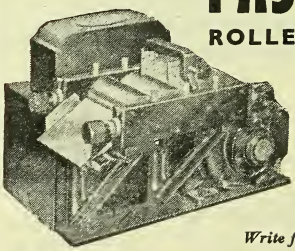

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(Syn. LEPTAZOL B.P.)

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POISON EMULSIONS can be perfectly stable

WHEN MADE WITH **QP** EMULSIFIERS
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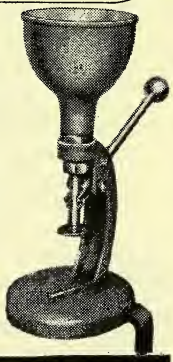
In the production of poison emulsions the all-important quality of stability is assured by the use of Q.P. Emulsifiers. A first-class engineering job—all working parts are of stainless steel or special alloys. Write for full details.



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Do YOU stock this widely advertised toilet tissue?

SILVER SILK Toilet Tissue has been selling well for years in most parts of the country because it is soft yet strong, in a roll that is easy to open. Now, it is to be advertised (as shown here) in women's weekly and monthly magazines. Consequently, thousands more women are going to ask for SILVER SILK, the roll they've "heard good things about."

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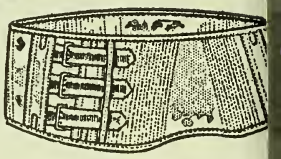
Gentlemen's Belts



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Surgical Dressings
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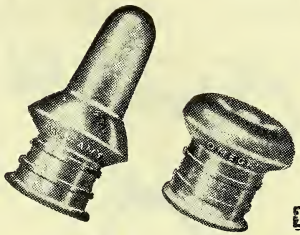
REG. NOS. 841964, 841968

This Trade Mark guarantees the quality

Ingram's LONDON.



P.A.T.A.

Made by a special process which gives long life and produces a Teat with a perfect flow. The shape ensures a tight grip of the bottle.

J. G. INGRAM & SON, LTD.

The London India Rubber Works, HACKNEY WICK, E.9.

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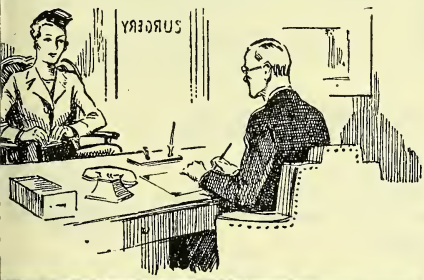

1. Spermicidally efficient and clean in application.
2. Non-irritant and harmless to health.
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4. Free from fatty substances.
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6. Prescribed extensively by the Medical Profession.

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TRADE MARK Regd. No. UK.609162

The Scientifically balanced antiseptic and deodorant contraceptive.

RETAILS AT 3/6 PER TUBE OF 12 TABLETS

KEEP ADEQUATE STOCKS
OBTAINABLE THROUGH YOUR WHOLESALER
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ALWAYS IN DEMAND

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Have you checked your stock slately?

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Letterpress & Litho Cartons, Folding & Rigid Boxes, Packings for Special Purposes.

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LAX - VITA MAGNAS a reliable aperien tablet containing Vitamin B.1. which can b recommended with absolute safety. Packed i two sizes. TALVIXA STOMACH POWDE and TALVIXA STOMACH TABLETS fo indigestion, heartburn, windy spasms, etc VETOPHEN TABLETS an analgesic fo neuralgia, headaches, menstrual pains, etc., an a prophylactic against colds, influenza and a feverish complaints. P.L.B. COUGH LOZEN GES a sound seller with consistent repeat sales ANTHOS a soluble sanitary towel of the fines quality. Packed in 12's. ANTHOS ALL ELASTIC SANITARY BELTS in ready supply LUVENE ALL-WOOL SANITARY TOWELS packed in 12's, sizes 1 and 2.

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The exclusive feature of this increasingly popular ankle support is the "controlled tension." *British & Foreign Patents.*

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THE PHARMACY FITTINGS SPECIALIST

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OPTULLE (TULLE GRAS)

A wide mesh gauze impregnated with Balsam of Peru in a Petroleum Jelly base. Widely used by Doctors, nurses and hospitals as a dressing for burns, scalds, cuts and abrasions, in plastic surgery and in the treatment of impetigo, eczema, etc. It is rapidly finding its way into First Aid Cabinets too.

24 dressings 4" sq. approx. . . 5/- per tin.
Strip 5 yards by 8" . . . . . 11/- per tin.
Medical Prices, 24 pieces . . . 4/- per tin.
Strip . . . 9/- per tin.

SULPHONA-CREAM

A cream containing 10% w/w Sulphanilamide in Paraffin-Lanolin-Water emulsion. A useful adjunct to Sulphona-Tulle. Valuable as a primary dressing for burns and scalds and in their treatment when infection has occurred. Convenient in use by either the Doctor or patient.

½ oz. tubes 15/- per doz. 1 lb. jars 15/- each.
Medical Prices Tubes 13/6 per doz. Jars 13/6 each.

SULPHONA-TULLE

An open mesh gauze impregnated with an emulsion containing 10% Sulphanilamide used extensively by the medical profession for the treatment of wounds, burns, chronic ulcerations and septic skin conditions.

Strip 5 yds. by 3½" 7/- per tin.
Medical Price 6/- per tin.

Retail Chemists discount 33⅓%
(applying to prices of all 3 products)

These products are regularly advertised in the appropriate medical journals, including:-
BRITISH MEDICAL JOURNAL.
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Manufactured by **Optrex Ltd.** *Perivale, Middlesex*

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(Trade Mark)
OWN MANUFACTURE

ORIGINAL **LANETTE WAX SX**
based on Sodium Cetyl/Lauryl Sulphate

ORIGINAL **LANETTE WAX SX 52**
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All fully complying with the official standard of
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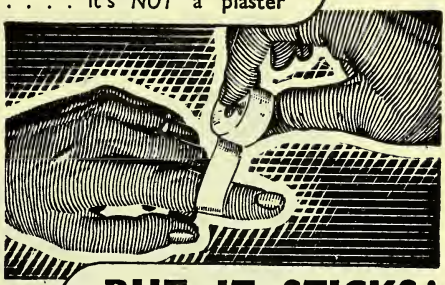
MANFIELD HOUSE, STRAND, LONDON, W.C.2

NOT STICKY
. . . . it's *NOT* a plaster



BUT IT STICKS!
. . . it's *MORE* than a bandage

PRESTOBAND
THE ANTISEPTIC SELF-ADHESIVE BANDAGE STICKS TO ITSELF — BUT NOT TO THE SKIN

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MADE BY VERNON & CO. LTD., PRESTON, LANCS.

Very Important Pussy

This 'peeping pussy' is one of many, featured in the nation-wide publicity that heralds Karswood's latest product—KARSWOOD CAT POWDERS. More and more pet-lovers realise that cats need regular conditioning—the five million pussy population of Britain can *all* be Karswood customers—so stock up now and make sure of *your* share of them!

KARSWOOD

cat POWDERS

A product of E. Griffiths Hughes Ltd. Manchester 3

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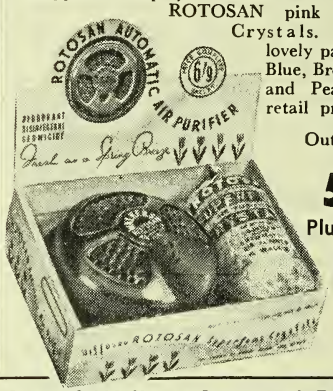
Automatic AIR PURIFIE

Chemists everywhere are welcoming the ret of the ROTOSAN in its new modern, stre lined, design. Packed in an attractive cellopha wrapped "display" carton with supply ROTOSAN pink Superfu Crystals. In fo lovely pastel sha Blue, Bronze, Gr and Pearl. 33 retail profit.



Outfit retails at

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Refills 6 oz. ba

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A DELICATE SUBJECT — FOR DELICATE SKINS

The TOTTY-POT

Rubber Ringed for — Cushion Comfort

Trade Mark "Totty Pot" Patent applied for

A NON-CORROSIVE ACID-PROO HYGIENIC CHILD'S CHAMBE

Detachable ring, easily removed fo cleaning purposes

Made of Aluminium

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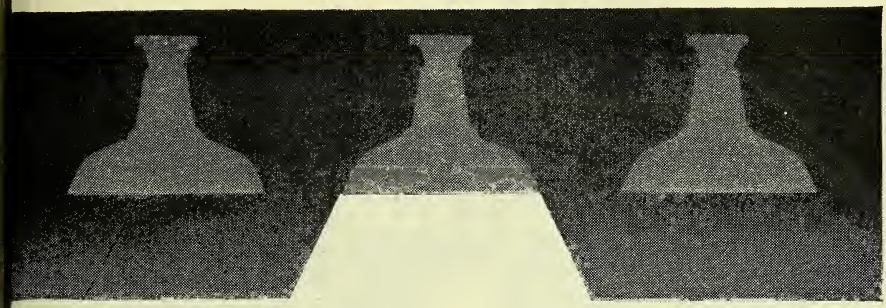
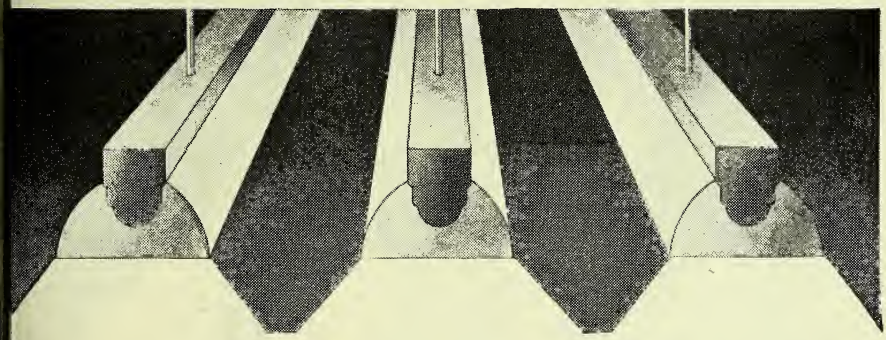


TWO WAYS TO SAVE CURRENT



which is your way?

Switch off some of your lights or switch on to fluorescent lighting. This is the choice to-day when every business user *must* cut his electricity consumption. Crompton fluorescent lighting takes only one third of the current required by ordinary lighting. You can cut down current consumption this way without losing light or visual efficiency. Ask a Crompton Lighting Engineer to look over your premises and tell you in advance how much current *you* can save.

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LIGHTING SERVICE

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Telephone: Chancery 3333. *Telegrams: Crompark, Estrand, London*

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The new "JUNIOR" Lipstick

6 SPARKLING NEW COLOURS

ROYAL
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2/6
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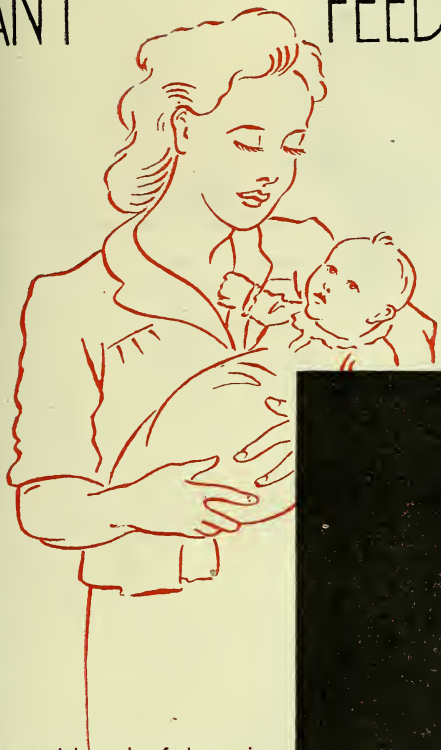
ESSENTIAL FOOD AND DRUG CONTAINERS, MEDICAL FLATS AND PANELS, ETC., ETC.



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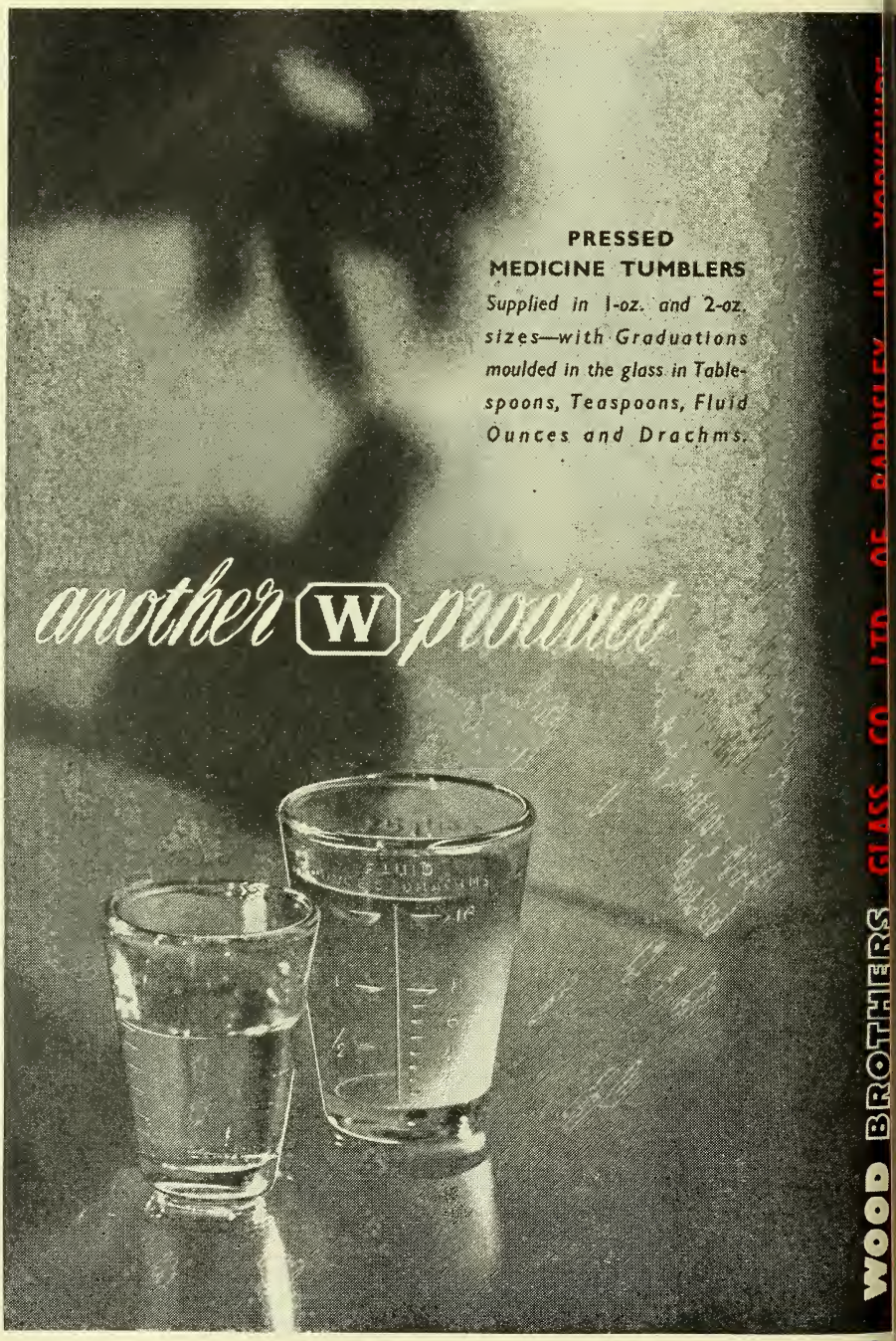
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MEDICINE TUMBLERS
Supplied in 1-oz. and 2-oz. sizes—with Graduations moulded in the glass in Tablespoons, Teaspoons, Fluid Ounces and Drachms.
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Another Sterling Specification IRON AND AMMONIUM CITRATE

A complex ferric ammonium citrate.

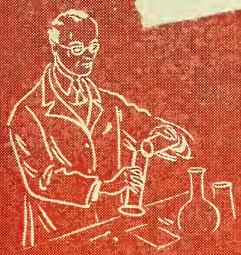
Properties. Thin dark reddish brown transparent scales, or a granular powder with an astringent taste. Very soluble in water.

Standard. The standard grade manufactured for medicinal purposes should comply with the requirements of the British Pharmacopœia in all respects.

Uses. Ferric Ammonium Citrate is one of the most widely used and generally prescribed preparations of iron. It is one of the least astringent compounds of iron and for this reason is often favoured. A green variety of ferric ammonium citrate is also used medicinally but is more frequently employed in the preparation of photographic blue print paper.

Packages. 28 lb. tins.

Manufacturers: **THOMAS TYRER & CO. LTD.**
Stratford, London, E.15



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The Complete Service

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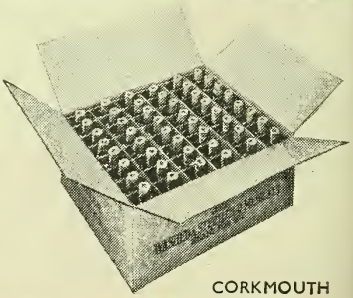

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is to reduce electricity consumption and still maintain your standard of lighting

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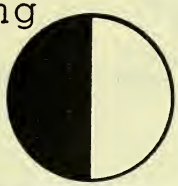

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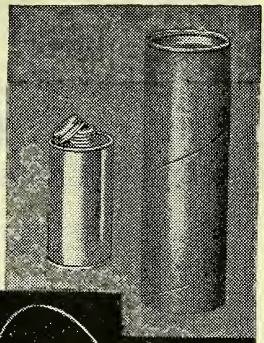

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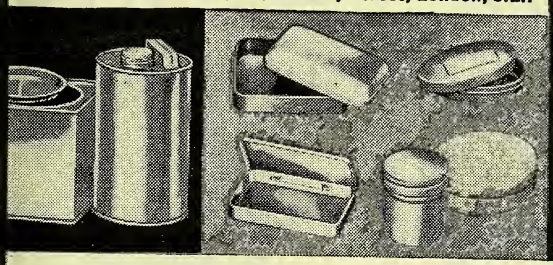

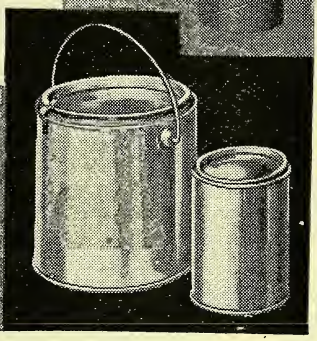

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LASTIC HOSIERY

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50 years' service of everything Surgical

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NORTH
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MIDDLESBROUGH

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FAMOUS FOR OVER 80 YEARS

WHOOPING COUGH MIXTURE

and for other dry coughs too!

Certain Relief –
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Widely Advertised

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We have over 60 years experience of making pills, capsules and tablets for home and overseas

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have pleasure in announcing that:—

BRONCHOVYDRI

is back on the BRITISH MARKET

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EXEMPT *from* PURCHASE TA

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This Inhalant for the Treatment Asthma is now Obtainable from t

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BRONCHOVYDRIN (1945) LT

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use of our heavy purchases immediately before war broke out. Our stocks still considerable and the high MBL standard will be fully maintained.

ERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

		Retail Prices (inclusive of Tax)	CHEMISTS' PRICE Per unit Net	+ Purchase Tax	Per dozen Net	+ Purchase Tax
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	40 gr. „	3/8½	2/1½	+ 8½	25/3	+ 8/5
	20 gr. „	2/1	1/2	+ 5	14/-	+ 4/8
IID	40 c.c. bottle	3/8½	2/1½	+ 8½	25/3	+ 8/5
ITHALMO-ANTIPEOL						
. Nozzled Tube		3/8½	2/1½	+ 8½	25/3	+ 8/5
„ „		1/9	1/-	+ 4	11/11	+ 4/-
NO-ANTIPEOL						
. Nozzled Tube		3/1	1/9	+ 7	21/-	+ 7/-
„ „		1/9	1/-	+ 4	11/11	+ 4/-
IEROFAGOS						
of 50 ampoules		19/-	13/3½	None	159/7	None
10 „		4/3	3/-	None	35/8	None
5 „		2/6	1/9	None	21/-	None
ENSYL						
f 500 tablets...		43/-	24/-	+ 8/-	288/-	+ 96/-
of 50 „		4/11	2/8½	+ 11	32/4	+ 10/10
AMES' BALM						
f approx. 2½ oz.		3/1½	1/11	+ 7½	22/6	+ 7/6
„ 1 oz.		1/7	11	+ 4	11/3	+ 3/9

Carriage paid on all orders of 1 dozen or £1 and over.
Terms: NETT, Monthly Account.

DICO-BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25

dip STIFFENING STAYS

BE PREPARED! The biggest-ever sales sens is under way. Women know about ***dip***—wo need ***dip***—women ***want dip***—the ***dip***-rush started. Widespread advertising is telling story—***dip*** stiffening **STAYS.**

ATTRACTIVE DISPLAY STANDS available free. Invaluable selling aids. Small showcards and window streamers also available.

Retail Price **2/3** *per bottle*

Contact your wholesaler to-day or write to :—

THE BRITISH PERMANENT STARCH CO., LTD., 87 REGENT STREET, LONDON,

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Medical Bottles

ALL DESCRIPTIONS
FLATS, VIALS, POISONS, PANELS, JARS and CORKS

HOSPITALS and CHEMISTS
RECEIVE
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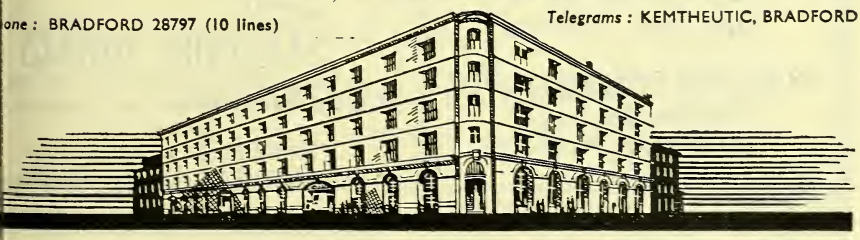

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Do-Do Asthma Tablets have always been "C.F." and we are now gladly supporting the Federation's Window Display Scheme. Any Chemist willing to devote one-third of his window for 14 days to an attractive but dignified display of Do-Do Asthma Tablets is invited to write us to this effect.

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HERBALENE, a nationally advertised herbal laxative, has a deservedly high reputation, for its gentle, *natural* action makes it suitable for young and old alike.

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REVISED PACKS

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LIQUIDS: From Bulk into any size bottle from ½ oz.
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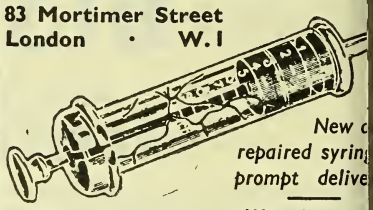

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Chemist & Druggist SUPPLEMENT

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Mr. S. V. Brown has now returned from h Africa and we have obtained instructions the disposal of several substantial businesses. ncial aid may be given to approved pur- ers. Particulars upon request.

Kent. Two businesses for disposal, old-estab- d. Turnovers for current year £4,585 and 06. Price for both businesses £2,000 plus stock fixtures at valuation. Freeholds also for sale esired. Fullest particulars upon application.

London, East End. Family business in busy road. Turnover approximately £7,000 per Good living accommodation available. Price red for goodwill and fixtures £3,000 plus at valuation, estimated at about £1,000.

Wanstead, Near. Death vacancy. Established business with optical department in separate ises. Turnover of Chemist last year approxi- ly £3,300, while optical turnover for Sep- er was £413. Good living accommodation oth premises. Price by arrangement.

London, West End. Old-established profitable business in excell. position. Turnover last year over £8,000. Excell. profits. Beautifully fitted pharmacy, heavily stocked. Price required £5,500, s.a.v.

6. Yorkshire Town. Substantial business with excellent dispensing connection. Very old-established. Net profit last year £1,382. Audited figures. Rent only £80 per annum less sublet of £52 per annum. Price required 2½ years' net profit for the lease and goodwill plus the value of the stock and fixtures, estimated at £2,500.

7. London, South East. Dispensing and family business, approximately 1,000 scripts per month, increasing turnover for general business. Living accommodation comprises four rooms and kitchen-bathroom. Small garden. Price required £2,000 or near offer for goodwill, stock fixtures and freehold property.

8. North London. Drug and manufacturing business for disposal. Turnover nearly £40,000 this year. Good staff. Long lease. Total net profit approximately £3,600. Price for lease, goodwill, fixtures and fittings, £7,500, s.a.v.

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ALE; in Belfast. Old-established drug firm. sts in french polishing materials, etc. Full ars from Rawlinson, Allen & White, Incor- Accountants, Belfast.

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ANS. Drug store. Excellent position, prin- horoughfare. Turnover £25 p.w. Lease. p; living accommodation; garden. Attrac- tted. Suitable other trades. Goodwill, fit- £600. Stock £700. National Business Ltd., 39 King William St., London, E.C.4. House 4922.

NORTH LONDON. Old-established pharmaceutical business. Unrivalled position and prospects. Very substantial profits. Full particulars in strict confidence, from Box 5/298.

SURGICAL APPLIANCE MANUFACTURING business (established 70 years). Situated in the Midlands. Freehold factory, including stock, machinery, etc.; also freehold sale shop in busy thoroughfare City centre. Multiple stores would benefit by great scope for expansion. Purchase price £15,000. Further particuars, apply Box 5/224.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947

SITUATIONS OPEN

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RETAIL (HOME)

AFTER CHRISTMAS. Assistant required, qualified or unqualified, either sex. Dispensing and some counter. No house accommodation. Apply, stating age, experience and salary required, to Trimming, Willis & Co., Ltd., Alton, Hants.

CAMBRIDGE. Turner & Sons (Cambridge), Ltd., require qualified manager for old-established business. Good experience, knowledge of photography an advantage. Permanent position. State experience, age, salary required, and references. 36 Trinity St., Cambridge. Phone 3425-6.

Situations Open—Continued

BOOTS THE CHEMISTS have vacancies in a number of districts for qualified assistants, male and female. Salary (male) Central London £8 15s. and £10 5s. Metropolitan District £8 7s. 6d. to £9 17s. 6d. Provinces £8 to £9 10s. (Female) Central London £8 5s. to £9 15s. Metropolitan District £7 17s. 6d. to £9 7s. 6d. Provinces £7 10s. to £9 according to age. Engagements are on a permanent basis with good prospects and eligibility for pension, life assurances, etc. There are also a number of vacancies for unqualified assistants fully trained in the business and including those dispensers who have been released by doctors, etc. Good remuneration with a view to permanency, pension scheme, etc. A bonus is paid to all staff engaged in dispensing. Applications should be made to Retail Staff Department, Station St., Nottingham, stating age, experience and districts preferred.

BUTT LANE INDUSTRIAL Co-operative Society, Ltd., require a qualified pharmacist to manage branch shop. Applications invited from pharmacists (male or female) stating age, experience, qualifications and salary required. Optical qualifications an advantage. Superannuation scheme in operation with transfer clause. Applications to General Manager, Congleton Rd., Butt Lane, Stoke-on-Trent.

CHEMIST requires lady assistant with Hall certificate. London north area. Hours 9-6. Apply Box 5/177.

CHEMIST, qualified manager, with first-class experience, required for oldest established retail business in Newcastle. Apply in writing: The Secretary, Wilkinson & Simpson, Ltd., Low Friar St., Newcastle-on-Tyne.

CHEMIST ASSISTANTS (females) wanted for temporary situations. Knowledge of stock-taking an advantage. Must be willing to travel. Apply in writing, giving particulars of age, experience, etc., to Technical Supervisor, S.C.W.S., Ltd., Retail Drug Department, 187 Bogmoor Rd., Shieldhall, Glasgow.

DARLINGTON. Pharmacist manager required urgently for busy dispensing and family business. Excellent scope and prospects. Salary 10 guineas plus bonus. Box 5/292.

DERBY (near). I have an immediate vacancy for an energetic and reliable qualified manager capable of taking charge of branch pharmacy. No living accommodation but good remuneration and prospects. Box 5/283.

GOOD ACCOMMODATION available for qualified assistant (either sex), to take charge dispensing department. Good wages and good prospects. Bonus on dispensing. Apply with usual particulars, to A. G. Edwards, 3 Market Sq., Leighton Buzzard.

HALL & KING of Folkestone have the following vacancies: (a) Experienced qualified assistant; (b) experienced dispenser. Apply in first instance to 36 Grosvenor Gardens, London, N.14. Laburnum 2566.

HEPPELLS require qualified manager for West End branch. Permanent position. Pension scheme available. No holiday or Sunday duty. Saturday half-day. No accommodation available. Application with full details to Superintendent Chemist, 70 Vauxhall Bridge Rd., S.W.1.

HULL. Pharmacist required for busy middle-class business. Full particulars, salary, etc., to V. & E. Wall, Ltd., Chemists, 437 Anlaby Rd., Hull. Phone 11916.

KEEN, ENERGETIC, unqualified assistant required immediately, mainly for dispensing. Good-class business in North London. Highest salary for right person. Please write Box 5/275.

LONDON, S.E. Unqualified assistant requir family business. Must be an accurate dis Good prospects. Please give full details of p experience and age to Box 5/264.

LONDON CO-OPERATIVE CHEMISTS, LTD cause of extension, require several exper pharmacists for branch managerial positions suburbs. Salary to be paid would vary b £550 and £650 per annum, plus other emolu It is quite possible that in certain instances a modation may be provided. Application i instance to Superintendent Chemist, Grange Leyton, E.10, when an appointment w arranged to discuss promotion prospects.

MANAGER required for good-class pharma Westcliff-on-Sea; excellent living accommo available. Good salary and share of profit right man. K. H., 6 Palmeira Ave., Westcl Sea, Essex.

MANAGER WANTED to take full control a velop established business of London merc Applicants must have thorough experien chemicals, shellac, edible and technical oils, gelatine, size or similar merchandise. M capable of buying and organising sales mai the Home Market. Excellent prospects fo with the necessary business acumen and ability. Application in confidence. Box 5/2

MASONS THE CHEMISTS invite applications keen, capable and progressive pharmacists fo manent positions as managers in newly-ac businesses and branches. Good salaries an erous bonuses to successful applicants. The tions offered are in Durham and Northumb Pharmacist also required to be in control o department at Head Office. Apply 113 Kir South Shields. Phone 360.

NORTH LONDON. Unqualified assistant wi pensing experience required for busy pha Good commencing salary plus participati N.H.S. remuneration. The position would b suited to a North Country man desiring L experience. Please write initially under guar assurance of confidence, to Box 5/270.

ORRIDGE & CO., Employment Agency, 184 S W.C.2. Temple Bar 9212/3. Branches at ampton and Birmingham. Enquiries invited pharmacists and unqualified persons requiring tions. Many attractive vacancies available. cellent opportunities existing in progressive manencies. Locums provided for. No cha employees except registration fee. Apply t Strand, W.C.2, in first instance.

PONTEFRACT. Pharmacist wanted immediat manager for middle-class business with wine li Knowledge of photographics an asset but not tial. Modern semi-detached house with available. Sound, permanent position with and commission. Write, giving full details i ing age and present position. C. Edwards, Helens Rd., Doncaster.

QUALIFIED LADY DISPENSER required. Hig pharmacy, Birmingham. Good hours, Sat 12.30. Excellent prospects. Box 5/300.

STOCKTAKERS required for duties in variou tricts; applicants must possess retail experienc an up-to-date knowledge of prices, etc. Ap tions are invited from men below the age who are resident in the London area, Birmi district or in Lancashire. The positions offer scope and opportunities in return for conscie and intelligent service. All replies treated in confidence. Box 5/273.

UNQUALIFIED ASSISTANT with dispensing e ence required for busy pharmacy in small town, near to Southend; good commencing The position also offers excellent prospects turn for intelligent and industrious service. write initially under guaranteed assurance of fidence. to Box 5/271.

Situations Open—Continued

ALIFIED ASSISTANT with dispensing experi- quired for business in Shepherd's Bush area. alary and prospects, including participation H.S. remuneration. All replies treated in onfidence. Box 5/272.

ALIFIED ASSISTANT required for busy West harmacy. Smart appearance and keenness l. Knowledge of surgical appliances, etc., High salary. Staff profit sharing scheme nsion scheme available. Staff roster system convenient hours. No Sundays. Apply in with full details to Box 5/286.

ED. Qualified chemist (either sex) for N.H. ng. Excellent prospects of small flat. Please lary required, etc., to H. & B. Feldman, 91 Becontree Avenue, Dagenham, Essex. All answered.

OW DRESSER required (either sex) to visit s in the South London area. Applicants ave a very good experience and be really ntious workers. Half-day Saturday. Give ails, including age, etc., ot Box 5/265.

LOCUMS WANTED

T, QUALIFIED. Wanted to act as locum in . Salary £12 12s. per week. Apply in stating experience, age, and when avail- o: The Technical Supervisor, S.C.W.S., etail Drug Dept., 187 Bogmoor Rd., Glas- W.1.

IED LOCUM required, male or female; , December 28th to Friday, December 31st . Apply Drug Dept., Co-operative Society, shton-under-Lyne.

WHOLESALE

TISING MAN as assistant to sales director, manufacturers, selling ethical medical ies in world markets. For man sufficiently iced in medical advertising, post of advertis- nager would be created now or later. Pen- eme. Progressive policy. Box 5/304.

ING MANUFACTURER of high quality rub- ducts requires a fully competent representa- the Lancashire area. Applicant must be a de salesman with established connections e chemists, ironmongery and hardware dea- r owner preferred. Excellent prospects for on to permanent executive position assured an with ability and enthusiasm. Attractive nd commission, and expenses. Please reply ll details to Box C.D. 26, c/o Technical Ltd., 94 New Bond Street, London, W.1.

ANCY will occur at January 1 for an out- ly good salesman who has genuine con- with pharmaceutical and allied outlets in nties of Durham, Northumberland, Cum- and Westmorland. Only men of proved and integrity are asked to apply. They ossess first-class selling record with houses repute. Successful candidate will be attractive salary and commission to sell number of established lines with high turn- tential. Most C.F., nationally known and d. Own car a temporary advantage. Per- . Fully detailed applications to Box 5/315.

AND TRAVELLERS, calling on wholesale ail chemists, wanted to handle established ary medicine, on generous commission basis. e territory offered. Write fully, stating covered, to J. M. Wotherspoon & Co., eneuron Department, 194-200 Bishopsgate, E.C.2. Phone Bishopsgate 3748.

A LONDON COMPANY of international repute, issuing ethical products only, requires representatives to maintain contact with doctors, hospitals and pharmacists. Areas: Northumberland and Durham; Liverpool and N. Wales; South and Mid-Wales; Leics, Notts & Derbys; Camb, Beds and Norfolk; Middlesex; S.E. London and Kent. Applicants must be pharmacists with good general experience, not over 37, able to drive car, and must be resident on territory. Good salary, expenses and prospects to the right men. Technical training given. Please send full personal and business details, with photo, in confidence, to Box 5/293.

ALLEN & HANBURYS, Wigmore St., require capable young pharmacist, male or female, to be trained for work on surgical suture production. Experience of sterilisation and aseptic technique an advantage. Small staff to be controlled. Apply in first instance to Personnel Manager, Allen & Hanburys, Ltd., Bethnal Green, London, E.2.

AN OLD-ESTABLISHED London house require a young qualified assistant chemist, capable of conducting routine analysis of products and supervision of poison. Write, giving full particulars of age, experience and salary required. Box 5/277.

APPLICATIONS are invited for the position of general sales manager in one of the leading cosmetic houses with a factory in Greater London area. The responsibilities cover home and export sales, also office management, and call for a man of culture, initiative and proven ability in a similar capacity, although not necessarily in the cosmetic industry. Strictest confidence will be observed and applicants should state, in first instance, salary required, and give full details of previous experience along with any other information of a personal character which may assist in making a selection. Present employees of the organisation have been advised that this advertisement is appearing. Letters should be addressed to the Managing Director, Box 5/180.

APPLICATIONS are invited from young, energetic pharmacists for appointment to the sales staff of Trufood Limited to conduct medical propaganda in Lancashire, the Eastern and the North-eastern Counties. Applicants should be prepared to reside in the territories named. These positions offer excellent opportunities to men who want to make a career outside retail pharmacy. The appointments are permanent and carry a good salary with the advantage of a generous superannuation scheme. Cars are provided and full expenses paid. Full initial training will be given to successful applicants. Unqualified men with exceptional ability will be considered. Apply by letter, giving full details of age and experience, to Sales Director, Trufood, Limited, Bebington, Wirral, Cheshire.

APPLICATIONS invited by manufacturers of fine pharmaceutical products with extensive and rapidly growing demand for representatives to control and develop following territories: 1, South London, Surrey. 2, Kent, Sussex, Hants, Dorset. 3, South Wales and West Country. Applications will only be considered from men with first-class selling record, proved sales ability, highest integrity and established connections on the territory applied for. Car an advantage. Appointments provide for a settled career with outstanding advantages and prospects. Fullest details, in confidence, are necessary before interviews arranged. Box 5/249.

ASSISTANT WORKS MANAGER required by company near London manufacturing fine chemicals. Experience in manufacturing and knowledge of chemical engineering desirable. Qualifications: first-class honours degree; A.R.I.C.; or B.Pharm. or Ph.C. Salary not less than £600 per annum. Flat probably available. Box 5/295.

Situations Open—Continued

ASSISTANT with some pharmaceutical experience required for pill department of manufacturing chemists in London area. Apply with full particulars and salary required. Box 5/279.

CHEMIST. Young chemist required to assist works chemist in manufacture and compounding of various food products. Previous factory experience not essential. Excellent prospects. Old-established company, London district. Write fully, stating age, experience, when free and salary required. Address application to Box 5/261.

DRUG ASSISTANT, unqualified, wanted with knowledge of the wholesale trade. Permanency, good conditions. Euston district. Write full particulars, experience, wages required, etc., to Box 1893, Messrs. Saward, Baker & Co., Ltd., 27 Chancery Lane, London, W.C.2.

EASTERN COUNTIES: Salesman who can really sell required immediately after Christmas. He will follow rep. for many years respected by trade now retiring. Must possess both confidence and established acceptance in trade with more than usual sales ability. Principal product is largest seller; also several well-known and advertised proprietaries. Comprehensive applications must be posted by December 14 to Box 5/313.

EXCEPTIONAL OPPORTUNITY for experienced salesman for Birmingham, Midlands and Staffordshire areas, calling on hospitals and wholesale to represent large firm manufacturing own hypodermic syringes and allied lines. Man with connections prefered but not essential. Salary, expenses and commission. Permanency. Box PP.3752, W. H. Smith & Son, Ltd., Manchester, 3.

EXPERIENCED PURCHASE TAX CLERK required by old-established manufacturing chemists near Liverpool Street. Five-day week. Canteen on premises. Apply Box 5/287.

EXPERIENCED REPRESENTATIVES required for established chemists' lines for (1) Lancashire area, (2) S. London and S. Coast area. Please write full details of last three positions, to Box W.2629, Haddon's, Salisbury Sq., London, E.C.4.

EXPERIENCED REPRESENTATIVE wanted by manufacturers of surgical dressings, sanitary towels and druggists' sundries for Birmingham district to call on chemists and on drapers (for sanitary towels only); connection an advantage; salary, commission and expenses. Box 5/290.

LONDON PHARMACEUTICAL HOUSE has vacancies for medical/trade representatives residing in or near Cardiff, Birmingham and Leicester. Pharmaceutical experience an advantage but not essential. Progressive salary and full expenses, pension. Write in first instance, to Box 4/482.

LONDON SUNDRIES HOUSE reorganising sales force requires well-introduced representatives for the London areas. Extensive existing accounts to be handed over. Car owners. Salary, expenses and/or commission. Write stating full details, past earnings, experience, remuneration required, Box 5/196.

MAN WITH EXPERIENCE of pharmaceutical analysis required as assistant analyst by well-established firm of manufacturing chemists. Interesting and progressive position; salary according to experience. E. H. Butler & Son, Ltd., Vestry St., Leicester.

MANUFACTURING CHEMISTS require unqualified assistants for drug packing department. Must be experienced in handling dry section, with a possibility of taking charge of department. Good salary; progressive position for suitable applicant. Five-day week. Apply to Box 5/243.

MANUFACTURERS OF SURGICAL DRESSINGS and pharmaceuticals require an experienced representative for the retail chemist trade in the Midlands area. Applicants not over 35 years of age should send fullest particulars to Box 5/258.

MEDICAL PROPAGANDISTS required for Lan shire and Yorkshire areas by pharmaceutical ma facturing chemists. Apply, giving full particul of experience, and salary required, etc., to 1 417, Smiths', 100 Fleet St., E.C.4.

MEDICAL REPRESENTATIVES required by one the leading London ethical pharmaceutical ma facturing houses for the following: London W territory, Bristol territory, Sheffield territory, M chester territory, Newcastle territory. Applica must have a sound pharmaceutical backgrou Knowledge of medical subjects an asset. Remune tion by salary and bonus, plus expenses. Full tails, stating age, experience, etc., to Box 5/284

NORTHERN IRELAND: Permanent representa required by house with range of well-known est lished proprietaries. Must have long standing c nection with chemists, best hairdressers and st and have previously handled advertised prod of reputable firms. Generous terms and attrac future to right man, whole-time. Own car advantage. Fullest particulars to Box 5/309.

PHARMACIST with wholesale experience requi by old-established firm of manufacturing and wh sale chemists in Southern Counties to be resp sible for the checking of galenicals and chemi before dispatch. The post offers scope for advat ment for an experienced pharmacist with initiat capable of accepting responsibility. Please give details in first instance, stating if married, sa required, to Box 5/255.

QUALIFIED ANALYST to take charge of resea and routine analysis of products required by w known manufacturing chemists. Knowledge of leting an advantage, but not essential. Initial sa according to qualifications and experience. position carries with it free accommodation i comfortable self-contained flat, pleasant cou town 36 miles London. Box 5/250.

QUALIFIED CHEMIST required for pharmaceut department of well-known London firm. Kn ledge of tablets, ampoules, etc., an advant Reply, giving details of experience, and salary quired, to Works Manager, Box 3440, T. G. S & Son, Ltd., Talbot House, 9 Arundel St., Stra W.C.2.

REPRESENTATIVES required with good connecti with first-class chemists, hairdressers and salons well-known home perm. set. Good terms and p pects for live men. Write, giving fullest de to Box 501, c/o George Murray (Advertising), L 184 Strand, London, W.C.2.

REPRESENTATIVE required by old-established L don house for Midland territory. Applicants sho have live connection with retail chemists and ferably some previous retail experience, not ne sarily qualified. Please state age, experience remuneration required. Box 5/276.

REPRESENTATIVE. A good opening occurs fo full time representative to call upon retail wholesale chemists. Permanent position and g prospects with a well-known London firm of ma facturing chemists. Remuneration by salary commission plus expenses. Applicants should h first-class connections and reside on the follow territory: S. London and S.E. England. owner preferred. Full details, stating age, exp ence, etc., to Box 5/187.

REPRESENTATIVE for medical and trade visits quired for Greater London area by an old-est lished London firm of manufacturing chemists. perience of medical propaganda an advantage, not essential. Applications invited from phar cists and unqualified assistants. Give full parti lars of experience, age, and salary required, enclose a recent photo, which will be return Box 5/281.

Situations Open—Continued

RESENTATIVE or agent wanted for wholesale ufacturing chemists' company (Scottish) for ashire, Cheshire and adjoining areas on com- on or by arrangement. Car owner and no tion to another agency. The company have ll-established connection in the areas. Apply 5/254.

RESENTATIVE, experienced, with good connec- chemists and wholesalers, Scotland, required well-known pharmaceutical house marketing nally advertised medicinal and toilet products. y and expenses. Applicants should give fullest culars of experience, age, connection and y required; also whether car driver, to Box 9.

RESENTATIVE, part-time, calling on chemists stores in London and district, required by ufacturing chemists, to handle medicinal tab- and pills on generous commission terms. Write 5/158.

RESENTATIVES are required by old-established ufacturer, to sell nationally advertised range roducts to wholesale and retail chemists and trades. Appointments may be of two kinds ding to area (a) salary, commission and ex- s for exclusive representation; (b) commission with freedom to represent other lines. Vacan- include a London territory (a). Apply in ng, with full particulars and area preferred, ox 5/157.

RESENTATIVES calling on retail chemists re- d by wholesalers for all areas to carry bath- scale. Commission basis. Box 5/244.

RESENTATIVES required on excellent commis- terms, for new, easy selling, attractive and e haircream. Selling through gentleman's ressers only. Territories available, Yorkshire, nds, South Wales, Eastern and Southern ties, and Scotland. Advertising being under- . Box 5/94.

UIRED by chemical firm manufacturing and g pharmaceutical and technical chemicals. 30 to 40, with wide experience export trade able to visit overseas markets. Box 5/303.

RED REPRESENTATIVES in various parts of the ry, who would be interested in a part-time ation with a well-known business house, are d to communicate initially under guaranteed ance of confidence, with Box 5/274.

SMEN who can get results on advertised and lines on commission basis. Must already be ing one or more agencies for chemists and . A genuine opportunity to take over ready connection and secure a good income. Ter- es: (1) Notts, Derbys, Leics; (2) S. Wales, etc; (3) Northumberland, Durham, etc. Full s of experience, lines carried, etc. Box 5/266.

R COATER. An opportunity occurs for a lass coater, with experience in all types of and coloured work, to take charge of depart- in old-established London house. Write, details of age, experience and salary re- d. Box 5/278.

ET COATER. Wanted a first-class coater cap- of handling all grades of work. London area. , giving full details of age, experience and required. Box 5/280.

ET MAKER required by well-known pharma- al manufacturers in the London area. Know- of sugar coating. 5-day week. Apply, giving details of previous experience, together with required, to Works Manager, Box 3442, Scott & Son, Ltd., Talbot House, 9 Arundel trand, W.C.2.

TECHNICAL REPRESENTATIVE, qualified chemist, male, required by old-established City firm to deal with technical enquiries, and to call upon firms, hospitals, etc. in connection with the sale of highly specialised fine chemicals used in medical, pharmaceutical, cosmetic and certain industrial spheres. Must be resident in London although periodical travelling in the Provinces will be required. Applicants should write, stating age, experience, qualifications, etc. Apply Box No. E.894, c/o 110 Old Broad St., E.C.2.

THE MANAGING DIRECTOR of a firm of manufacturing chemists in London requires a personal assistant to take over, in stages, much of the work at present undertaken by him. Applicants must have (1) pharmaceutical qualifications, (2) wide knowledge of the industry, (3) experience in sales development and the control of representatives, etc. The vacancy is due to the rapid expansion of the business both at home and abroad, and offers a permanent career with excellent prospects to a man capable of undertaking responsibility. A high salary will be paid to a suitable applicant. Please write in strictest confidence, giving age and details of previous experience, to Box 5/143.

THOROUGHLY EXPERIENCED full-time representative required with wide consolidated connection among chemists and better-class hairdressers in county of Yorkshire to sell advertised products, well-established and mostly C.F. Must be first-class salesman of high character and have previously represented only leading houses. Permanent post, liberal salary and commission to right man. Write fully Box 5/311.

TOP GRADE REPRESENTATIVES required for all areas outside London by well-established cosmetic house for their nationally advertised products enjoying full distribution. Good personality essential as successful applicants will take over all accounts on territory and therefore must be capable of maintaining present excellent goodwill. High rate of commission paid and weekly drawing account permitted. Box 5/316.

TWO LONDON REPRESENTATIVES REQUIRED

by old-established London manufacturing and wholesale chemists. One man (preferably qualified) will be required to call on wholesalers and shippers interested in a wide range of ethical pharmaceutical products.

A second man is required to contact general and tobacco trade wholesalers in connection with established proprietary lines.

Please write full particulars, in confidence, to Box 5/282.

UNQUALIFIED LADY required for testing and works laboratory of chemical manufacturers North London. Applications with full particulars, training, experience, if any, age and salary required, to Box 4/532.

WORKS CHEMIST, must be qualified, required by manufacturing chemists, West London area. Applicants must be fully experienced in the manufacture of galenicals, ointments, etc., and also be able to make own assays. Five-day week. Permanent progressive position for suitable applicant. Write in first instance, stating age, experience, and salary required to Box 5/242.

YOUNG MAN required to assist in routine work of home sales department, leading manufacturers ethical pharmaceutical products, London area. Pharmaceutical qualification or sound technical background essential. Permanency and good prospects advancement for energetic, methodical worker. Salary according to qualifications. Apply P.W.D., Box 5/257.

Situations Open—Continued

YOUNG ENERGETIC PHARMACIST required for representative work with a leading pharmaceutical house in London. Salary, commission and expenses. Write, with full particulars of general and pharmaceutical education, to Box 5/289.

WHOLESALE (OVERSEAS)

SINGAPORE. Sharp & Dohme, Ltd., require a first-class representative for Malaya, with headquarters in Singapore. Applicants must be qualified with up-to-date knowledge of modern therapeutics. Age between 25 and 35 years. Single. Initial term for 3 years. In addition to salary, generous high cost-of-living bonus and quarter's allowance paid. Apply Export Division, Sharp & Dohme, Ltd., Hoddesdon, Herts.

SITUATIONS WANTED

18 words 3/- (minimum) then 1d. per word. Box 1/-

RETAIL (HOME)

LADY DISPENSER (Hall Certificate), middle aged, desires light post. Hospital experience. South coast preferred. Good accommodation essential. Box 5/299.

RETIRED, unregistered, 66, active. Experienced. Counter work preferred. Whole or part time. Northampton or district. 15 White Hills Way, Northampton.

STOCKTAKING, quiet and efficient workmanship, over 30 years' practical experience. Personal supervision. C. W. Playfoot, 8 Aylward Rd., Merton Park, S.W.20. Tel. Liberty 4104.

UNQUALIFIED LADY (23), ex B.Pharm. student, completed two-year hospital apprenticeship, seeks hospital post, part- or whole-time. Free January. Box 5/285.

WHOLESALE

A QUALIFIED PHARMACIST, B.Pharm., B.Sc., Indian, aged 25, with first-class credentials, seeks post with good manufacturing or wholesale house or would consider first-class retail establishment. Opportunity for advancement and good prospects desired. Correspondence invited. R. D. Tuli, B.Sc., B.Pharm., c/o Dr. R. L. Tuli, Dy. Director Public Health, New Colony, Nagpur, India.

ADVERTISER seeks position London or Southern England with scope to use first-class experience in purchasing. Accustomed to travelling. Excellent references. Interview anywhere. Box 5/297.

EXPERIENCED REPRESENTATIVE, qualified, shortly open for re-engagement in Midlands area for firm of high repute. Box 5/251.

GENTLEMAN, aged 40, 24 years' comprehensive experience in the pharmacy trade, including retail, wholesale and manufacturing, well experienced in factory and sales control, used to handling a large staff, seeks progressive situation with reputable firm. Box 5/301.

PHARMACIST (40), ex Public School, married, 25 years' extensive experience in retail, seeks a permanent and progressive position with drug house or cosmetic manufacturer of repute. North-west preferred, but not essential. Box 5/245.

REPRESENTATIVE will be free in the New Year. First-class connection with chemists, Co-ops, large stores, etc. South Wales, S.W. of England. Own car. Box 5/178.

REPRESENTATIVE requires additional line, commission basis. Sound connection with wholesale and retail chemists in North Riding, N.E. Counties, Cumberland, Westmorland. Box 5/306.

REPRESENTATIVE, 25 years' established connection with chemists in Eastern Counties and East Midlands, desires additional well-known line on commission basis. Own car. Highest references. Box 5/291.

SALES MANAGER (F.S.M.A.), widely experience having established connections with chain store department stores, multiple and wholesale chemi and thoroughly conversant with all phases of ma keting and sales organisation, seeks appointment London area. Box 5/47.

SALES MANAGER seeks change. First-class conne tions with leading buyers. Past experience inclu marketing of proprietaries and cosmeti Thoroughly conversant with all phases of sa organisation. Widely travelled and linguist. B 5/195.

SALES MANAGER, pharmacist, intimate knowled of trade, manufacturing, wholesale, retail, sto and hairdressers. Sound advertising experience a successful record marketing ethicals, toilets, su dries. Box 5/241.

TRAVELLER experienced selling proprietaries, su dries, packed drugs, toilets, connection with ch mists, stores, etc., in Lancashire, Cheshire, Mi lands, North-east Coast, desires post with firm repute. Terms: Salary, expenses. Box 5/260.

APPOINTMENTS

2/6 per line (12 lines=1"). Box 2/-

NORTH MANCHESTER HOSPITAL MANAGEMENT COMMITTEE

MANCHESTER VICTORIA MEMORIAL JEWISH HOSPITAL, CHEETHAM, MANCHESTER, 8.

Applications are invited from REGISTERED PHARMACISTS for the post of Assistant Pharmacist. Salary according to J.N.C. Scale (Hospital Staffs). National Health Service Superannuation Scheme in force. Applications with full particulars and copies of not more than three testimonials as soon as possible to the General Superintendent at the Hospital.

A. T. SAMPSON,
Secretary, Hospital Management Committee

NOTTINGHAM GENERAL HOSPITAL

Required, ASSISTANT PHARMACIST (woman), salary according to experience £370-£450. Superannuation scheme in force. Applications, together with three testimonials to be sent to H. M. Stanley, Secretary, Nottingham Area No. 1 Hospital Management Committee.

SOUTHEND-ON-SEA HOSPITAL

GENERAL HOSPITAL, ROCHFORD

Applications are invited for the position of ASSISTANT PHARMACIST at the above hospital. Candidates should hold one of the registrable qualifications of the Pharmaceutical Society. The salary is in accordance with the recommendations of the Joint Negotiating Committee (Hospital Staffs), i.e., £370 x £15 x £20(1) to £450 per annum. The commencing salary will depend upon previous hospital experience.

The position is subject to the provisions of the National Health Service (Superannuation) Regulations, 1947. Application forms may be obtained from, and must be returned as soon as possible to, the Medical Superintendent General Hospital, Rochford, Essex.

J. C. FIELD, Secretary.
Hospital Management Committee.
20 Warrior Square,
Southend-on-Sea.

BOTLEYS PARK HOSPITAL MANAGEMENT COMMITTEE

REGISTERED ASSISTANT PHARMACIST or Botleys Park Hospital, Chertsey, Surrey. .N.C. (Hospital Staffs) salary, viz., £370 inlusive; annual increments up to £450 p.a. Previous experience may determine commening salary. Recently qualified pharmacists, legible. Whole-time, established, pensionable, ubject to medical examination. Application, ating age, qualifications, experience, with opies of not more than three recent testinonials to Physician Superintendent, Botleys ark Hospital, Chertsey, Surrey.

STOKE-ON-TRENT HOSPITAL MANAGEMENT COMMITTEE NORTH STAFFORDSHIRE ROYAL INFIRMARY

Hartshill, Stoke-on-Trent

ASSISTANT PHARMACIST required ither sex). J.N.C. (Hospital Staffs) Scale, 370-£450 inclusive. Similar experience may termine commencing salary. Participation in perannuation scheme. Recently qualified harmacists considered. Application, with usual rticulars and copies of testimonials, should forwarded to the Secretary at the above spital.

AGENCIES

ords 17/6 (minimum) then 4d. per word. Box 2/-

NTS calling on retail chemists wanted to le well-established C.F. line. Generous comion. Write fully, stating territory covered, to , Ltd., 718 Seven Sisters Rd., N.15.

NTS calling upon chemists are invited to inice a newly marketed roll film (not ex-R.A.F.). al commission paid on all new accounts. a Roll Film Company, 12 Laings Corner, ham, Surrey

NCY required by distributors of proved integwith many years of valuable contact in all of the country. Replies, giving full details oposition, invited from manufacturers of both ished and new products of quality and re- Box 5/308.

NG AGENTS wanted. Territories allotted for ointed Lozenge Tablet and sundry penny penny and sixpenny lines, etc. Wonderfu selling goods. Write, Lever Brailsford & Ltd., Radcliffe, Manchester.

UFACTURERS' Agents Association (C. & D.), eam's Bldgs., E.C.4, supplies free lists of s to manufacturers' seeking representation in mportant centres. Membership available to ished agents.

-KNOWN MANUFACTURING COMPANY s to appoint a sole agent for all their pro- now being marketed through chemists, groconfectioners and stores. Only firms of repute can thoroughly do this need apply. The g connection is approx. 6,000 accounts and be handed over to the successful firm. When ng would firms state the number of travellers yed calling upon each trade. Please reply /246.

AGENCIES WANTED

36 words 8/6 (minimum) then 3d. per word. Box 2/-

AGENT contacting chemists and allied trades is open to accept an additional sole agency for Middlesex and N.W. London postal areas from firm of repute. Conscientious representation offered. Box 5/240.

GENTLEMAN with first-class connections among hairdressers, chemists and stores in London and Home Counties, seeks saleable lines on commission. Car owner. Box 5/268.

WELL-KNOWN REPRESENTATIVE covering Lancashire, Cheshire and North Wales territory, and having goodly connection with chemists, Co-op. stores, etc., on above territory, seeks additional representation. Pharmaceutical lines preferred though not essential. Retail experience. All propositions carefully considered and replied. Box 5/269.

BUSINESS OPPORTUNITIES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

ADVERTISER wishes to join established concern as partner or director, London area. Excellent sales experience, sales management and accounts. Box 5/307.

INTEREST OFFERED to firm with sound sales organisation, and a Summer line or two, to take one-third share in firm of wholesale and distributing chemists (packers). Half-year, 1947-1948, certified turnover, £35,000. Modern main road. Good leased premises consisting private and general offices, stockrooms, packing room, canteen, 3 lavatories. Fully equipped for 70-80 packers. Stock on hand at cost approx. £7,000. Fixtures extra. Capital required, £4,000 only. Write Box 5/253.

MANUFACTURING CHEMISTS with well-equipped modern factory near London have capacity for creams, emulsions and toilet preparations. Customers' own formula a speciality. Box 5/294.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture and/or packing of domestic, industrial or toilet products. Bottle, powder and tube filling. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Reliance 3435.

NATION-WIDE sales organisation with remarkable record of successful merchandising is open to consider one or two lines. Only branded lines offering possibilities of big permanent business are of interest. Box S.551, c/o Erwoods, Ltd., 211 Piccadilly, London, W.1.

URGENT. Firms able to vacuum dry or spray dry ton lots of pharmaceutical product containing 50 % water to be reduced to 4%, please contact Box 5/262.

FOR SALE

36 words 8/6 (minimum) then 3d. per word. Box 2/-

BRANDT AUTOMATIC tablet filling and counting machine for sale. Machine is in good condition and has had little use. Can be inspected in London, Box 5/296.

Q.P. POWER EMULSIFIER. Perfect condition. Offers: Lindsay, Chemist, Maybole.

SURPLUS to our needs: 1,000 gross oblong lozenge tins, lift-off lid, also 10,000 plain brown cardboard boxes, approx. 12 in. x 6 in. x 2 in. Offers wanted for part or whole. Johnson Agencies, Ltd., 32-40 North St., Horsham, Sussex.

otherwise stated, address all replies to Box Numbers c/o THE CHEMIST & DRUGGIST, 28, Essex St., London, W.C.2

STOCKTAKING FOR INCOME-TAX PURPOSES OR SALE VALUATION IN 1949

MAKE YOUR NEW YEAR RESOLUTION

for **B**etter Service.

Accurate Valuation.

Results available seven days after valuation.

No dislocation to the normal routine of business.

Every care, confidence and attention to detail.

Scale terms based on the net cost of stock only.

By applying NOW to

M. H. BARNES, *Licensed Appraiser*

4 CHARLWOOD STREET, VICTORIA, S.W.1

Telephone: VICtoria 5686

STOCK REMAINDER from discontinued pharmacy. 120 doz. 100's sweetening tablets to clear at 5/6 per doz. 240 doz. 100's saccharin tablets to clear at 6/- per doz. All standard strength guaranteed. Cash against pro-forma invoice. Litherland's, Wallgate, Wigan, Lancs.

200 GROSS 10-oz. new medical flat bottles; 100 gross 2-oz. new jars. Surplus to requirements. Will accept reduction on current market price. Box 5/263.

WANTED

36 words 8/6 (minimum) then 3d. per word. Box 2/-

GLYCERIN, B.P., and Triple Stearic Acid wanted by manufacturers in small or large quantities. Box 5/141.

MANUFACTURING CHEMISTS wish to purchase a few pounds of Iridin B.P.C. Offers to Box 5/302.

STEARIC ACID, triple pressed, required in large quantities. Box 4/2.

SURPLUS CHEMICAL STOCKS required. Offers to Box 5/288.

TRIPLE PRESSED STEARIC ACID required in small or large quantities. Particulars and prices to Box 4/970.

WANTED IMMEDIATELY by wholesale distributing house. 50-100 gross 1-oz. or 2-oz. medicated blackcurrant pastilles or 5-10 cwt. medicated blackcurrant pastilles packed in bulk, 5-, 7- or 14-lb. tins. Samples, prices and quantities required. Box 5/247.

YATRAN. Urgently required, any quantity. Must be of German origin manufactured by Messrs. Farben. No other type suitable. Notify quantity available and price to Victor E. Hanna, Ltd., 68-72 Lower Mount St., Dublin.

MISCELLANEOUS SALES

36 words 17/6 (minimum) then 4d. per word. Bo

ENQUIRIES INVITED for surplus stock of A.P tablets and pure aspirin tablets B.P. Box 5/

FANCY BOXES. Clearance at reduced prices. packing Xmas gift sets. 15 gross 6 x 3½ x 2; 20 8½ x 5 x 2¾; 20 gross 6 x 5 x 3. Also false bot if required. Immediate passenger delivery. S orders executed or offer for complete lot. Will Chemists, High Rd., Balby, Doncaster.

FOR SALE. 12 gross brand new 80-oz. Winch bottles, price to clear, 114s. 4d. per gross. 5/192.

FOR SALE. Standard saccharin tablets in pa of 100 tablets at 71s. per gross. Pro forma only. Postage free on all orders from and abo gross. Box 5/173.

FOR SALE. Several thousand 40-oz. winch bottles with screw and glass stopper. Advanc dustries (Penryn), Ponsharden Shipyard, Falm

FOR SALE. 1,000,000 (Glassine) transparent poc 2⅞ in. by 1⅜ in., and 2¼ in. by 2¼ in., gum printed one side, but can be over-labelled. Pa flat 2,000's. 5s. per 1,000 in 50,000 lots. 500,000 unprinted, 7s. 6d. per 1,000. Electric ing machine for up to ½-oz. crystals, seeds, New. £100. Write Box 5/252.

LAVENDER or Eau de Cologne Water and T Spirit. Surplus stocks to clear in 1-gall. or 5 drums or proprietary packed at a clearing Lennard, Lee-Narvill & Co., Ltd., Anlaby Works, Hull.

MACHINERY FOR SALE. Analytical balanc Date of Hamburg, Viscometre, 2 small recept centrifugal machines, hand operated, quanti cast steel moulds. May be inspected at Zems, 718 Seven Sisters Rd., N.15.

MAHOGANY SHOP FITTING, 16½ ft. long, 8 high, 10 in. deep. Sections to make one com unit, 30 drawers, glass labels, 5 large cupb 3 small, 20 shelves, mirror and glass case. Re able price. Further details, Box 5/205.

NATIONAL CASH REGISTER; choice of t modern; under maker's guarantee. Full detail photo from Box 5/204.

PHENOBARBITONE ET THEOBROMINE ta 37/6 per 1,000. Sulphathiazole tablets, 30/ 1,000. Also surplus of concentrated and aq tinctures for sale at very low prices. Box 5/2

PROPYLENE GLYCOL. Surplus to requirer large quantities available. Offers. Box 5/32

QUANTITY light rubber-coated hospital she width 44 in., for immediate disposal. Keen quick delivery. Replies to Box 5/248.

SURPLUS TO REQUIREMENTS. 10 cwt. Gra Aspirin, B.P. 28 lb. Hydroquinone. 6 4 drums Technical White Oil, Pool 30. First sonable offer secures. Will be sold separately 5/256.

SACCHARIN TABLETS. Standard 550.02, 7 gross, packed in 100's. Boxed in 1 gross. Min 5 gross. 1 gross at 74s. Bulk 4s. 4d. 1,000, min 50,000, carriage paid. Cheque with order. Bros., 23 St. Kilda's Rd., London, N.16.

SURPLUS pale straw glycerine; 30 cwt. i to clear, in small or large lots. Lennard, Lee vill & Co., Ltd., Anlaby Rd., Hull.

TRIPLE PRESSED STEARIC ACID. A few hun weight available. Chinese camphor squares, nal cases of 100 lb. Technical White Oil, in 40 drums. Offers to J. R. Gibbs, Ltd., Manor Av Paignton.

VACUUM FLASK SURPLUS. Pints approx. cases, bakelite cups and shoulders. Each flask guaranteed. Boxed in 50's. Carriage paid. each, cash with order. Kale Bros., 23 St. K Rd., London, N.16.

Printed by THE HAYCOCK PRESS, LTD., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, MORGAN BROTHERS (PUBLISHERS), LIMITED, at 28 Essex Street, Strand, London, W.C.2.

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and SALTS

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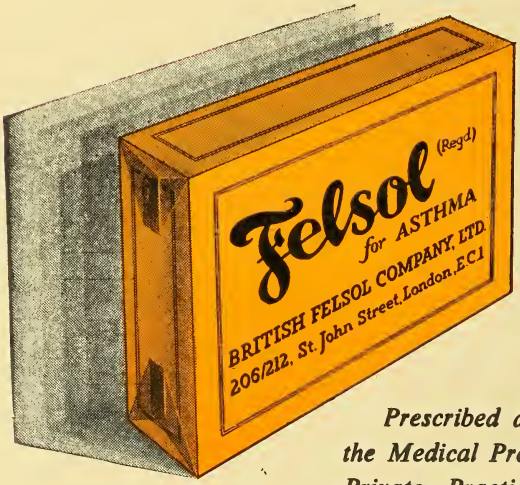

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